

Carolingian coinage, by Karl F. Morrison. With the collaboration of Henry Grunthal.

Morrison, Karl Frederick.

New York, American Numismatic Society, 1967.

<http://hdl.handle.net/2027/mdp.39015025349278>

HathiTrust



www.hathitrust.org

Creative Commons Attribution-NonCommercial-ShareAlike

http://www.hathitrust.org/access_use#cc-by-nc-sa-4.0

This work is protected by copyright law (which includes certain exceptions to the rights of the copyright holder that users may make, such as fair use where applicable under U.S. law), but made available under a Creative Commons Attribution-NonCommercial-ShareAlike license. You must attribute this work in the manner specified by the author or licensor (but not in any way that suggests that they endorse you or your use of the work). This work may be copied, distributed, displayed, and performed - and derivative works based upon it - but for non-commercial purposes only (if you are unsure where a use is non-commercial, contact the rights holder for clarification). If you alter, transform, or build upon this work, you may distribute the resulting work only under the same or similar license to this one. Please check the terms of the specific Creative Commons license as indicated at the item level. For details, see the full license deed at <http://creativecommons.org/licenses/by-nc-sa/4.0>.



NUMISMATIC NOTES AND MONOGRAPHS

No. 158

CJ
35
N⁹
no. 158

CAROLINGIAN COINAGE

By KARL F. MORRISON

with the collaboration of

HENRY GRUNTHAL



THE AMERICAN NUMISMATIC SOCIETY

NEW YORK

1967

THE AMERICAN NUMISMATIC SOCIETY

Founded 1858 · Incorporated 1865

BROADWAY BETWEEN 155TH & 156TH STREETS

NEW YORK, N.Y., 10032

PURPOSES: The Society was founded for the collection and preservation of coins, medals, decorations and paper money and for the investigation of their history and other subjects connected therewith.

MEMBERSHIP: Applications for membership are welcomed from all interested in numismatics. Inquiries regarding membership should be addressed to the Secretary of the Society.

DUES: The annual dues for an Associate Membership are \$10.00. Issues of the *Notes and Monographs*, *Museum Notes*, *Hispanic Numismatic Series*, and *Numismatic Literature* are distributed to all members.

PUBLICATIONS: The *Numismatic Notes and Monographs* consist of separately issued publications, each on a single topic, of which usually several appear each year. *The American Numismatic Society Museum Notes* is a publication, irregular in appearance, consisting of brief notes and papers, principally on items in the Society's collections. *Numismatic Literature*, published twice each year, lists current numismatic publications with abstracts of their content. *Numismatic Studies* is a series accommodating works in a larger format. The *Hispanic Numismatic Series*, published in cooperation with the Hispanic Society of America, consists of publications devoted to the coinage of the Iberian Peninsula, and is based on the collections of the Hispanic Society.

MUSEUM: The Society maintains a museum located in uptown Manhattan, New York City, which houses its offices, collections and library. Collections embrace coins of all periods from their inception to modern times, medals and decorations. Selections from its cabinets are on display in an exhibition. The library, consisting of about 20,000 volumes, covers all branches of numismatics.

The museum is open to Members and the public from 9 A.M. to 5 P.M. on Tuesdays, Wednesdays, Thursdays, Fridays and Saturdays. In addition, the public exhibition is open on Sundays from 1 to 4 P.M. The museum is closed on Mondays and the following holidays: New Year's Day, Lincoln's Birthday, Washington's Birthday, Memorial Day, Independence Day, Election Day, Thanksgiving Day and Christmas Day.

NUMISMATIC NOTES AND MONOGRAPHS

Number 158

Carolingian Coinage

By KARL F. MORRISON

with the collaboration of

HENRY GRUNTHAL



THE AMERICAN NUMISMATIC SOCIETY

NEW YORK

1967

CJ
35
N 9
80.158

ALL RIGHTS RESERVED BY
THE AMERICAN NUMISMATIC SOCIETY

PRINTED IN GERMANY
AT J. J. AUGUSTIN · GLÜCKSTADT

CONTENTS

PREFACE	vii
THE DATING AND CLASSIFICATION OF CAROLINGIAN COINS	I
COIN FINDS	17
INTERPRETATION OF TYPES	22
METROLOGY	32
THE CATALOGUE	65
BIBLIOGRAPHY AND KEY TO ABBREVIATIONS USED IN THE CATALOGUE	66
MAPS	following page 338
EMPIRE OF CHARLEMAGNE	
EMPIRE OF LOUIS THE PIOUS	
EMPIRE OF CHARLES THE BALD	
INVENTORY OF FINDS	339
MAJOR FINDS	339
MINOR FINDS	386
CONCORDANCE	
GARIEL — MORRISON-GRUNTHAL	416
PROU — MORRISON-GRUNTHAL	433
INDEX TO THE CATALOGUE	
OBVERSE INSCRIPTIONS	441
REVERSE INSCRIPTIONS AND GENERAL	448
INDEX TO THE INVENTORY OF FINDS	462
PLATES	467

PREFACE

"In [Charles Martell's] unhappy time, not only were some things of great value taken, but the houses of the Church and of the religious were laid waste, and holdings were alienated from the bishopric. And those few clergy who remained sought sustenance from trade, and they bound here and there in charters and the leaves of books the coins which they acquired in commerce."

Hincmar of Rheims, *Vita Sancti Remigii*, preface, MGH SS. Rer. Mer. III, p. 251.

The present volume is intended to be a uniform classification of all the known types in the Carolingian series. It comprises three sections: an introduction to the material, an inventory of find data, and the catalogue itself. The catalogue was compiled in fortunate collaboration with Mr. Henry Grunthal of the American Numismatic Society. Through his interest, the long-neglected Carolingian section of the Society's cabinet has since 1957 become one of the largest and best-selected collections in the world; he has brought this same lively interest together with a lifetime's experience in numismatics to the present work. For the introductory remarks, the order of classification and the compilation of the find data, I assume sole responsibility.

In preparing this work, I have wished to do nothing more than to provide a preliminary survey for the true corpus which, I hope, will ultimately be prepared. The work of the Sylloge Committee of the British Academy which is now revolutionizing the study of Anglo-Saxon numismatics, has set an example to which scholars in other branches of mediaeval numismatics must rise; for it has shown the insufficiency of publishing as definitive any catalogue which does not illustrate the reverse and obverse of every coin or, at least, of every minor variety, or record the weight, die-axis, and provenance of each piece. It has also proven that such a general survey of a national series can most practicably be undertaken for each collection separately, and that it is not a task for one scholar to assume alone. Mr. R. H. M. Dolley and I have attempted to introduce these new stan-

dards into Carolingian numismatics with our *Sylloge of Carolingian Coins in the British Museum*, and we hope that our colleagues will soon add their industry and learning to what must be a joint effort. Meanwhile, there is some need for a work of reconnaissance, and I have undertaken the present book to meet that need.

I first became aware that a uniform classification of this sort was needed, when, as a student in the American Numismatic Society Summer Seminar (1957), I found it necessary to consult the independent, sometimes contradictory, and incomplete catalogues of Gariel and Prou. Though exemplary works for their times, Gariel's catalogue of his great private collection (the bulk of which is now in the Staatliche Museen zu Berlin) and Prou's catalogue of the Bibliothèque Nationale (Paris) cabinet did not on the whole include types found outside the collections which they inventoried, although Gariel made some very fruitful efforts to include references to the civic collections of Marseilles and Arles, to the cabinets of the Bibliothèque Nationale and the Bibliothèque Royale (Brussels), and to several private collections other than his own. The catalogues also made the work of the modern collector inconvenient, for he had to classify the types represented in both works under two numbers; and they afforded the further confusion of divergent attributions without any statement of the principles followed in dating and attributing the series. In adding a third catalogue, we hope that this confusion will be clarified rather than deepened, and that the shortcomings of the two earlier classifications will be largely rectified. Every effort has been made to include all types presently known; we have not, however, attempted to represent any but major variants, and, under any given entry of several pieces, there may be as many minor variants as there are coins mentioned. We have also surveyed as many collections as possible. To assist those who may wish to follow our classifications in the future, we have collated the classifications of Gariel and Prou with our own. Whenever appropriate, we have mentioned first in our entries the coins they catalogued, arranging other coins alphabetically according to the cabinets which own them. Except for using the word "find," which seems to us more exact than the conventional word "hoard," we have conformed to the accepted terminology. In attribution, our rule has been to confess uncertainty

whenever there is doubt rather than to hazard a guess which might be misconstrued as established fact.

The work of cataloguing could be done only by visiting the widely scattered cabinets, and I am under a heavy obligation to the American Numismatic Society for its Graduate Fellowship (1959/60), to the American Philosophical Society for a grant-in-aid from the Johnson Fund (1961), and to the American Council of Learned Societies for a fellowship (1963-4) which made this possible. The American Numismatic Society has also most generously granted a subsidy for illustrative materials; the Deutsches Archaeologisches Institut, Berlin/Dahlem, received me as a guest in 1960, when I inventoried the Berlin collection; the University of Minnesota provided a grant-in-aid from the Graduate School Research Funds (1961/2); and Dean E. McDiarmid, of the College of Science, Literature and the Arts, University of Minnesota, very kindly assigned typists to prepare the final copy of the catalogue.

I am also very much in the debt of private persons who, aside from making collections available for study, have made the work more fruitful by their kind interest and advice: Mr. Christopher Blunt, London; M. Hubert Frère, Saraing-sur-Meuse, Belgium; Dr. E. Gose, Landesmuseum Trier; Professor Philip Grierson, Gonville and Caius College, Cambridge; Professor Dr. W. Hävernick and Dr. G. Hatz, Numismatische Kommission der Länder in der Bundesrepublik Deutschland; Dr. H.-J. Kellner, Prähistorische Sammlung, Munich; Mr. Sawyer McA. Mosser, American Numismatic Society; and Dr. H.-H. Völckers, Othmarschen.

The greatest debt of all, however, is to the learned institutions and scholars who have opened their cabinets for study. These are listed alphabetically below, preceded by the name by which they are designated in the catalogue. The exceptions to the rule of alphabetical order are the cabinets of Paris and Berlin; in deference to the catalogues of Prou and Gariel, they have been placed first in the listings. Paris. Bibliothèque Nationale, Cabinet des Médailles. M. J. Babelon,

Conservateur-en-chef. M. J. Yvon, J.-B. Giard, Mll. Jacquot.

Berlin. Münzsammlung, Staatliche Museen zu Berlin. Prof. Dr.

A. Suhle, Direktor. Dr. E. Erxleben, Frl. S. Lichtenberg, Frl. L. Böhner.

- American Numismatic Society (ANS). Dr. G. Miles, Mr. H. Grunthal.
- Assen Museum. (Provinciaal Museum van Drenthe, Assen). Viewed in the Royal Cabinet, The Hague.
- Bellinger. Alfred R. Bellinger, New Haven, Conn.
- Blunt. Mr. Christopher Blunt, Royal Numismatic Society, London.
- Bodleian/Ashmolean. Heberden Coin Room, Bodleian Library, Oxford, Mr. J. D. A. Thompson.
- British Museum. Department of Coins and Medals. † Dr. John Walker, Keeper. Mr. R. H. M. Dolley, formerly Assistant Keeper, and now of Queen's University, Belfast. Miss M. Archibald, Assistant Keeper, Mr. Finn, and Mrs. Joan Martin.
- Brussels. Bibliothèque Royale, Cabinet des Médailles. M. F. Baillon, Conservateur. M. M. Thirion, Mlle. J. Lallemand.
- Copenhagen. Kongelige Møntsamling. Dr. O. Mørholm.
- Dickie. Mr. Douglas P. Dickie, New York.
- Frankfurt a.M. Münzkabinett des Städtischen Museums. Dr. Friedmann.
- Garrett. The John Work Garrett Library, The Johns Hopkins University, Baltimore, Maryland. Mrs. S. E. Freeman.
- Grierson. Professor Philip Grierson, Gonville and Caius College, Cambridge.
- Groningen Museum. Viewed in the Royal Cabinet, The Hague.
- The Hague. Koninklijk Kabinet van Munten, Penningen, en Gesneden Stenen. Dr. H. Enno van Gelder. Dr. G. van der Meer.
- Hispanic Society of America. Viewed at the American Numismatic Society.
- Hannover. Kestner-Museum. Dr. M. Schlüter.
- Hermitage. Leningrad. Dr. B. M. Potin, Curator of Western European Coins.
- Holmes. Professor U. T. Holmes, Jr., Chapel Hill, North Carolina.
- Leeds. Leeds University Collection (ex Winchester Cathedral Coll.).
- McClymont. Dr. David McClymont, Brooklyn, New York.
- Munich. Staatliche Münzsammlung. Dr. D. Steinhilber.
- Musée Frison. (Fries Museum, Leeuwarden). Viewed in the Royal Cabinet, The Hague.

Nelson. Liverpool Public Museum. Mr. T. A. Hulme, Director. Miss E. Tankard, Keeper of Archaeology.

Oslo. Universitetets Myntkabinett. Dr. K. Skaare.

Papadopoli. Nicolo Papadopoli, *Le Monete di Venezia*. Venice, 1893.

The Papadopoli collection is housed in the Museo Correr, Venice.

I have not studied it in person.

Princeton. Princeton University Library. Mr. L. C. West.

Schloss Gotthorp. Landesmuseum Schleswig. Dr. K. W. Struve.

Stuttgart. Württembergisches Landesmuseum. Dr. E. Nau.

Trier. Rheinisches Landesmuseum. Dr. E. Gose.

Van Rede. Viewed in the Royal Cabinet, The Hague.

Vatican. Biblioteca Apostolica Vaticana. P. Guy Ferrari, Dr. Micheli Tocci.

Vienna. Bundessammlung von Medaillen, Münzen, und Geldzeichen (Kunsthistorisches Museum). Dr. Holzmayr, Direktor. Dr. B. Koch.

Yale. Yale University Library. Professor Alfred Bellinger. Professor T. V. Buttrey, Jr.

It is indeed a pleasure to recall the assistance which these institutions and persons have given, and especially that of the members of the Berlin Cabinet and of Mr. R. M. H. Dolley, who welcomed me to London as a fellow-worker rather than as a visitor. The data on coin finds in Great Britain and Ireland are the result of collaboration with Mr. Dolley; and our information on the Cuerdale deposit was much enhanced by Mr. Christopher Blunt, who very kindly opened his unique materials about that find to Mr. Dolley and me.

Detailed analyses of some of the arguments presented in the introduction may be found in those portions of the introduction which have already appeared as articles, "The Gold Medallions of Louis the Pious and Lothaire I and the Synod of Paris (825)," *Speculum* XXXVI (1961), pp. 592-599; and "Numismatics and Carolingian Trade: A Critique of the Evidence," *Speculum* XXXVIII (1963), pp. 403-432. I am indebted to the late Mr. Charles R. D. Miller, Editor of *Speculum*, for allowing the reuse of this material. Other conclusions have previously been published in my essay, "'Mules' in the Carolingian Series," *Numismatic Chronicle*, ser. 7, vol. 1 (1961), pp. 225-234, and in two additional articles done in collaboration with Mr. Dolley, "A Note on Four 'type immobilisé' coins of

Melle from British Finds," *Numismatic Chronicle*, ser. 7, vol. 2 (1962), pp. 157–160, and "Finds of Carolingian Coins from Great Britain and Ireland," *British Numismatic Journal*, 32 (1964), pp. 75–87.

It is to be noted that my metrological calculations now have been in part revised in the light of the kind and perceptive advice of Mr. C. S. S. Lyon and Mr. Peter Sawyer.

Many coins in the Berlin Collection are illustrated photographically here for the first time. Previously, they have been known only from the line engravings in Gariel's catalogue made when they were still part of his private collection. The inclusion of these photographs is due to the extraordinary generosity of Professor Peter Berghaus, who made his photographic record of the Berlin cabinet available for this purpose. Heartiest thanks are due also to Prof. Dr. A. Suhle for allowing the photographs to be made.

I wish particularly to mention those friends whose unfailing kindness has sustained me in the course of this work: Professor Howard L. Adelson, Professor Peter Berghaus, Dr. Peter Franke, Professor R. S. Fraser, Professor Ralph E. Giese, Professor E. Karafiol, Dr. and Mrs. William C. Normand, Professor Doris Raymond, and Professor and Mrs. George Wylie Sypher. Finally, I should be indeed remiss if I neglected to recall the many kindnesses of Mr. and Mrs. R. H. M. Dolley, the "good angels" presiding over my studies in 1963–1964, and of Mr. and Mrs. Christopher Blunt, who allowed me to marry their daughter, a treasure more excellent than the silver of Charles the Great, and finer still than the gold of Offa.

KFM

THE DATING AND CLASSIFICATION OF CAROLINGIAN COINS

Coins are historical documents; and they may reveal much about the economic and political conditions of the government which struck them. Fluctuations in the weight of monetary issues, variations in their metallic composition, and changes in inscriptions and types may substantiate what is known from literary and epigraphical sources concerning governmental commercial affairs, or they may suggest conditions not known from other evidence. The value of coins to the historian, however, is directly proportionate to the exactitude with which they can be dated; upon this depends their correlation with other evidence and their proper ordering as an independent body of evidence.

The dating of numismatic remains from the Carolingian period is difficult when it is not frankly conjectural. With the rarest exceptions, none of the Carolingian series can be dated to the year, and few can be dated even to the decade. One series—the issue which bears the legend GRATIA D-I REX circumscriptional about a monogram of the name *Carolus*, can be ascribed only to the sixty-year period between its institution by Charles the Bald (864) and the deposition of Charles the Simple (923). Another, the series struck in the name of Louis the Pious with the reverse type of a temple and the legend XPISTIANA RELIGIO, was inaugurated by Louis the Pious, and continued to be struck in Carolingian lands for eighty years after his death. The coin finds which prove this continuity also indicate that the latest pieces tend to be far more degenerate in style and lighter in weight than the earliest, but there is no evidence which distinguishes the pieces struck in the thirty to forty years just after Louis' death from those struck in his lifetime.

The usual methods for establishing numismatic chronology have only partial success when applied to Carolingian issues. Inscriptions are of little help, since the issues do not bear precise dates (as do the contemporaneous Islamic series), and since the titles ascribed to the issuing rulers did not vary except on the imperial accession of the particular ruler. Even then, the change from royal to imperial titles

confuses rather than clarifies: it is impossible to separate the imperial issues of Charles the Bald from those of Charles the Fat. Further, coin finds, and consequently, the coins which they contain, cannot be dated precisely; first, because they cannot be placed in a particular historical context, as the circumstances which led to their being deposited can never be known, and, secondly, because they lack associated material in the deposits which would date them. Within these limitations, coin finds do prove the synchronism of some issues in circulation, but they do not indicate whether the coins representing those issues had entered circulation at the same time or on widely separated occasions. The fact that kings sometimes struck several types simultaneously clouds the question still further. Likewise, the interpretation of symbolic types does not afford an exact chronology, since the few iconographical types used in Carolingian issues are so general in meaning as to defy ascription to any specific event. Finally, because more exact dating is impossible on other grounds, metrological evidence can be applied only to the whole span of the reign of any given ruler; the evidence does not warrant attributing various issues to particular years within any reign on metrological arguments. The only exceptions to this rule are the issues of Charlemagne and of Charles the Bald, both of whom instituted monetary reforms so thorough that the coinage of each is divided into two discrete series, clearly distinguished by style.

The only evidence sufficient to date Carolingian issues, therefore, is not the internal evidence of the coins, but the external proof of documents and political history. Even this evidence is so fragmentary and, in some cases, ambiguous as to prevent exact attributions and dating. Numismatists have tended to assume, for example, that a ruler struck coins in his own name only after the death of his predecessor.¹ And yet, some issues of Pippin, Carloman, and Charle-

¹ E.g., A. Engel and R. Serrure, *Traité de numismatique du moyen âge*, I (Paris, 1891); A. Suhle, *Die deutschen Münzen des Mittelalters*, 2nd. ed. (Berlin, 1955); H. H. Völckers, "Die Christiana Religio-Gepräge, Ein Beitrag zur Karolingerforschung," *Hamburger Beiträge zur Numismatik* VI/VII (1952/3), p. 32 and passim.

Gariel and Prou both refer to the primitive issue of Louis the Pious which was synchronous with Charlemagne's first series, but they do not observe that other rulers likewise struck coins as kings during the lifetime of their fathers. E. Gariel, *Les monnaies royales de France sous la race carolingienne*,

magne have the same reverse types (cat. nos. 42, 83, 228; 24, 87, 164); and some issues of Louis the Pious are of the primitive type which Charlemagne abolished about 790.² Lothaire I seems to have struck a gold issue in 825, fifteen years before his father's death; and he is known to have struck silver denarii in Tours and in Bordeaux, cities which he governed while Co-Emperor with his father, but never after 840.³ The exact similarity of other issues of Lothaire to those of Louis the Pious in respect to titles, epigraphical style, and general design also indicate that Lothaire's mintage began very considerably before he became sole Emperor.⁴ The supposition, therefore, is that a ruler began to strike coins in his own name immediately upon his proclamation as king or emperor, and that Charlemagne and Carloman began minting in 755, that Louis the Pious began his royal issue in 781 and his imperial coinage in 813, that Lothaire I began his imperial series in 817, that Pippin I's first issue was in the same year, and that Charles the Bald's was in 829, when he was declared King of Alamannia, or in 839, when he was advanced as King of Aquitaine. Charles could not have minted in Lorraine until he succeeded Lothaire II as King of Lorraine in 869. Among the East Franks, Louis the German may have struck from his proclamation as King in 817, and his sons, Louis of Saxony, Carloman, and Charles the Fat, from their accession in 861. Likewise, Louis II probably began his series in 844, when he became King of the Lombards, and Louis the Stammerer may have begun his in 866, when he became King of Aquitaine.⁵ Pippin II and Lothaire II succeeded only at their fathers' deaths in 838 and 855, respectively.

II (Strassburg, 1884), pl. XIV, 1; M. Prou, *Les monnaies carolingiennes* (Paris, 1896), pp. x, xii f.

² Catalogue, Louis the Pious, nos. 459, 460, 461.

³ Catalogue, Lothaire I, nos. 553, 555.

⁴ Compare, especially, the linear reverses which he struck in the "Palace," Dorestadt, Cologne, Metz, Tours, Pavia, Milan, Treviso, and Venice. Lothaire's **XPRISTIANA RELIGIO** series and the gold medallion which he struck jointly with Louis the Pious's **MVNVS DIVINVM** "medallion" also show a very great stylistic affinity to the coins of his father.

⁵ The coins issued in Aquitaine with the obverse inscription **+CAROLVS REX EQ** probably belong to Charles the Child, who preceded Louis as King of Aquitaine. They are clearly mid-ninth century in fabric and design. Furthermore, the legend is known only in this series; it does not occur in the attributable series of Charles the Bald.

;

The complexity of these circumstances thwarts virtually any effort to date coin finds or coins within a reasonable period. A deposit containing coins issued by Lothaire I and by Charles the Bald, for example, need not have been buried between 840, when Lothaire became sole ruler and Charles entered into the West Frankish kingdom on the death of Louis the Pious, and 855, when Lothaire abdicated and died. Rather, the date of deposit could be pushed back eleven years, to the time of Charles's first proclamation as King. Likewise, a find containing coins of Louis the Pious and Lothaire I could have been made at any time in the thirty-eight years between 817 when Lothaire was proclaimed Co-Emperor, and 855, instead of in the fifteen years between 840 and 855. In some instances, therefore, the tolerance of dating suggested by the dates of royal accessions and of the deaths of rulers is widened so far as to be useless in any effort to establish an exact numismatic chronology.

Official documents provide more exact dates for some critical events in Carolingian monetary history. Decrees of the Synod of Frankfurt (794) and a letter of Alcuin written two years later refer to Charlemagne's "new mintage," and thus set the date of his monetary reform a short time before 794.⁶ Consequently, the primitive types which bear the inscription CARO/LVS in two lines on the obverse and various crude linear and circumscriptional inscriptions on the reverse can be dated before ca. 790, and the more refined types

⁶ The evidence is reviewed in P. Grierson, "La trouvaille monétaire d'Ilanz," *Schweizer Münzblätter*, IV (1953), pp. 46-48; "Chronologia delle riforme monetarie di Carlo Magno," *RIN* 1954, pp. 1-15; and with revised conclusions, in "Money and Coinage under Charlemagne," *Karl der Grosse: Persönlichkeit und Geschichte*, I (Düsseldorf, 1965), pp. 506 ff. Grierson's earlier view, which we have adopted, opposes the position advanced by R. Gaettens, who argues that the reform occurred about 774. His argument rests upon his new dating of the Edict of Mantua to 774, and upon the supposition that Charlemagne's demonetization order in that decree was a part of his reform. Though problematical, the dating of the Edict of Mantua can be set definitely as about 787 (F. L. Ganshof, *Recherches sur les capitulaires* [Paris, 1958], p. 114), and the evidence of official documents and coin finds alike indicates the later date for the reform. In a still-unpublished essay, Maureen A. Fennell (below, n. 89) has added much documentary support to Ganshof's argument, which she has also elaborated. R. Gaettens, "Münzen Karls d. Gr. sowie der Päpste Hadrian I. und Leo III. von historischer, staatsrechtlicher und währungsgeschichtlicher Bedeutung," *Jahrbuch für Numismatik und Geldgeschichte*, II (1950/51), pp. 50 ff.

which present the name and title of the King circumscriptional about a cross or monogram of the king's name on the obverse, and the name of the mint city circumscriptional about either of the same symbols on the reverse, can be dated later. Two decrees of Louis the Pious certify that he instituted a monetary reform accompanied by demonetization in 819/820,⁷ and the increase by Louis of the weight standards established by his father was surely a part of this measure. An edict of Lothaire I issued in 832 refers to coinage which Lothaire had newly instituted and implies gradual demonetization in favor of that mintage.⁸ Unfortunately, the edict does not describe the issue in question. One may hypothesize that Lothaire referred to his only major departure from the predominant types of Louis the Pious, a type which achieved great frequency not only in the issues of Lothaire, but also in the early issues of Charles the Bald and Pippin I or Pippin II of Aquitaine: namely, an obverse type consisting of the name and title of the ruler circumscriptional about a cross, and a reverse type of the name of the mint city circumscriptional about a temple. Since this design is rare in the series of Louis the Pious, and common in those of his sons,⁹ it must have been instituted late in Louis' reign, and it could well be the type mentioned in Lothaire's edict of 832. Finally, Charles the Bald attempted, by the Edict of Pitres (864), to establish a uniform type for all his coinage. He commanded, "*ut in denariis novae nostrae monetae ex una parte nomen nostrum habeatur in gyro et in medio nostri nominis monogramma, ex altera vero parte nomen civitatis et in medio crux habeatur.*"¹⁰ This edict clearly instituted the series inscribed GRATIA D-I REX which occurs almost invariably circumscriptional about the monogram of Karolus, and not, as Prou maintained, the series with the obverse

⁷ MGH Cap. Reg. Fr. I, p. 285, no. 139, c. 19; p. 306, no. 150, c. 20.

⁸ MGH Cap. Reg. Fr. II, p. 63, no. 202, c. 2: "*De monetis inquiratur, qua custodia observantur vel qua fraude vitiantur et a quibus personis hoc perpetratum sit, et noviter a nobis instituta instanter figurari precipiantur. Verumtamen usque missa sancti Iohannis denarium argenteum et non fractum cuiuscumque monetae recipiatur.*"

⁹ See below, pp. 11 f.

¹⁰ MGH Cap. Reg. Fr. II, p. 315, no. 273, c. 11. See also K. F. Morrison, "Mules in the Carolingian Series," NC 1961, p. 230. On the so-called "type of the Edict of Pitres," see the comments of J. Lafaurie, "Deux trésors monétaires carolingiens, RN 1965, p. 266, esp. n. 1.

inscription, CAROLVS REX FR, which occurs circumscriptional about a cross as frequently as it does about a monogram. The apparent ambiguity between the *nomen* of the Edict and the *nomen* of the GRATIA D-I REX type is to be explained in terms of ninth-century political thought. For ninth-century authors, the king had two *nomina*, his own (e.g., "Carolus") and the *nomen regis*, the royal title, which he shared with Christ.¹¹ It was this combination of *nomina* which the Edict of Pîtres prescribed and the GRATIA D-I REX type executed. Coin finds indicate that the demonetization which Charles ordered in 864 was effective, and that the GRATIA D-I REX type was the usual currency design from its institution until the first years of the tenth century.

There are three other fixed dates in Carolingian history. The earliest is the date of the Ilanz II find (790–796), which contains one coin from Charlemagne's second period and nearly one hundred from his first. The presence of two dirhems, the later of which was struck by Harun al-Rashid in 789/90¹² sets the date of deposit; the Carolingian contents of the find, together with the documents we have cited above, prove that Charlemagne's monetary reform occurred in the early 790's. Next, documentary evidence places the striking of gold "medallions," or "solidi," by Louis the Pious and Lothaire I in 825.¹³ And finally, the date of the Cuerdale deposit (900–903) proves the stylistic prevalence of the GRATIA D-I REX type at the end of the ninth century.¹⁴

Documentary and numismatic evidence combined, therefore, yield eight precise dates, in addition to regnal years, toward which a chronology of Carolingian numismatics must be oriented. The historian can set Charlemagne's coinage reform ca. 790,¹⁵ and attribute his issues

¹¹ E.g., Synod of Aachen III (861), Mansi XV, 611: "... *non sine gravi gemitu nostro Christianissimo principi ad memoriam reduximus, ut non immemor vocationis suae, quod nomine censetur opere compleat, ut rex regum Christus, qui sui nominis vicem illi contulit in terris...*"

¹² See the articles by Grierson cited above, n. 6.

¹³ See below, pp. 29 ff.

¹⁴ C. S. S. Lyon and B. H. I. H. Stewart, "The Northumbrian Viking Coins in the Cuerdale Hoard," in R. H. M. Dolley, ed., *Anglo-Saxon Coins* (London, 1961), pp. 96–121.

¹⁵ Cf. Grierson ("The winter of 793/4"), "Money and Coinage under Charlemagne," op. cit., pp. 507, 511.

to the first (755–ca. 790) or second (ca. 790–814) period. A few of Charlemagne's coins which bear the imperial title can be assigned more precisely to the period ca. 801–814.¹⁶ The historian is likewise aware that Louis the Pious instituted a new series about 819, that his son, Lothaire I, struck simultaneously with him coins of types exactly parallel to his, and that Lothaire I inaugurated a new series, perhaps with the reverse type of a temple and a city name, in 832. Finally, he can divide the mintage of Charles the Bald into two periods, the first, between 829 and 864, when coins bearing various types and inscriptions were issued, and the second, between 864 and 877, when the GRATIA D–I REX type predominated.

But these fixed points in numismatic history do not lead toward further exactitude in dating, and they leave totally unclarified many critical questions of chronology and attribution. To be sure, the issues of Pippin the Short, Carloman, Charlemagne, Louis the Pious, Lothaire I, Lothaire II, Charles the Bald (in his early period), Arnulf, Louis the Child, Odo, and Lothaire IV, and some issues of Charles the Simple can be attributed to those rulers with good assurance of accuracy. There are, however, some very grave difficulties concerning even some of these issues, and there are other issues which cannot be attributed with any certainty as to ruler or year.

Two major factors gave rise to these problems: the continuation and the immobilization of types. The first term implies the use of identical types only by a succession of synonymous rulers, while the second refers to the continual striking of particular types, no matter what the names of the rulers. The continuation of types has produced great difficulty in distinguishing the issues of Louis II from those of Louis III, pieces with the CARLVS REX or CARLVS REX FR type struck by Charles the Bald from coins with the same types struck by Charles the Simple, coins in the name of Charles with the imperial title struck by Charles the Bald from those struck by Charles the Fat,

¹⁶ Grierson (*ibid.*, pp. 511 ff., 524 ff.) argues for 768–793/4 for the primitive issue, 793/4–806 for the new royal issue, and 806–814 for the issues with the imperial bust. Since the evidence which Mr. Grierson presents is capable of several interpretations, I have preferred to retain the dating which seems to me historically most probable. I would suggest further that Mr. Grierson's position does not exclude logically the supposition that Charlamagne's second royal series and his imperial series were issued simultaneously.

and the GRATIA D—I REX issues of Charles the Bald from those of Charles the Fat and Charles the Simple. On present evidence, the issues of Charles the Fat are, however, purely matters of hypothesis; it is supposed that, as King of the East Franks, King of the West Franks, and Emperor, he must have struck coins. There is no concrete evidence to substantiate or to refute this hypothesis. As we shall indicate below, the evidence of coin finds permits a tentative division of some of the ambiguous series between Charles the Bald and Charles the Simple; but it does not clarify the question of Charles the Fat's mintage.

The second complicating element, the immobilization of types, hinders any precise classification of the two most numerous Carolingian series. The CARLVS REX FR type of Melle continued to be struck in great quantity for at least one hundred years after Charlemagne instituted it; more than half the Carolingian content in the Cuerdale find (there were ca. 1000 Carolingian pieces in the deposit) were of this one type. But there is nothing to distinguish one issue from another. Likewise, the XPISTIANA RELIGIO series in the name of Louis the Pious, which we have already mentioned, poses the most serious problems of attribution; for although it is the most prolific of the Carolingian series, and although it held an important place in Carolingian monetary history for nearly a century, its various issues cannot, with rare exceptions, be classified according to time or place of mintage. The obverse inscription HLVDVVICVS IMP, which occurs on pieces struck throughout the ninth century and into the tenth, is meaningless for purposes of attribution. Fortunately, the XPISTIANA RELIGIO series struck in the names of other rulers—Lothaire I, Pippin I/II, Charles the Bald, Lothaire II, Arnulf, and Louis the Child—do not present such great problems of chronology, as they can at least be assigned to the regnal years of the issuing king.

In time, even the conflation of *Christiana Religio* issues in the name of Louis the Pious may be separated into its components, and the history of the type and its relation to the rest of the Carolingian series made clear. This clarification will most likely be achieved through painstaking study of die-relationships and the establishment of die-links and epigraphical similarities, especially as they appear in the closed contexts of individual coin finds. Indeed, Dr. van Gelder has

already engaged in such a study of the finds unearthed in the Netherlands, and he has been able to show, by stylistic affinities, that the issue was struck in the name of Louis the Pious at Dorestadt at the same time as the prolific Dorestadt temple-types of Lothaire I were being minted.¹⁷

For the present, we may summarize what we know about the history of the *Christiana Religio* series. Charlemagne instituted it after his imperial coronation as the reverse type of an extraordinary series of denarii bearing his portrait on the obverse.¹⁸ Other portrait types were struck at the same time—at Dorestadt (cat. 105), Trier (cat. 116), Quentovic (cat. 121a), Rouen (cat. 142), Lyon (cat. 167), Arles (cat. 198), and with the inscription +METALL·GERMAN (cat. 313)—and they too bear the imperial title and iconographical reverse types. On some, the obverse inscriptions are identical with those on *Christiana Religio* pieces: thus, KAROLVS IMP AVG appears on the series of Dorestadt, Quentovic, Rouen, Lyon, and +METALL·GERMAN as well as on three of the *Christiana Religio* striking (cat. 317–319,) and D N KAROLVS IMP AVG REX F ET L marks the Arles series and one *Christiana Religio* issue (cat. 314). D N KAROLVS IMP AVD appears only in the *Christiana Religio* series (cat. 315, 316). This series alone bears no city name; and only on portrait obverses of *Christiana Religio* types do cryptic letters appear beneath the portrait bust (cat. 315 = C, cat. 316 = V, cat. 318 = M, and cat. 319 = F). Some scholars have maintained that these letters indicate specific mints—that C denotes Cologne, V, Venice, M, Milan, and F, Florence—but such suggestions do not take into account the possibility that the letters could indicate regnal years, the initial letter of a moneyer's name, or a number of things other than the name of the mint city which in any case should hardly have been designated on the obverse. We do not know where or when these pieces were struck; but their affinities with the other issues we have mentioned indicate that they were part of an unusual imperial series, and their differences indicate that Charlemagne intended for them to be attributed to no specific mint.

¹⁷ H. Enno van Gelder, "De karolingische Muntslag te Duurstede," *Jaarboek voor Munt- en Penningkunde*, 48 (1961), pp. 35f.

¹⁸ On Charlemagne's imperial series, see the excellent analysis by Grierson, *ibid.*, pp. 518ff.

Strangely, Louis the Pious did not retain the *Christiana Religio* type in his portrait series; the next ruler who linked it with his portrait was Lothaire I, and the evidence of coin finds may indicate that he restored it to the imperial portrait series even in the lifetime of Louis the Pious. Louis retained all the other iconographical reverse types struck under his father. The ship, which Charlemagne struck on his portrait series at Dorestadt, likewise appears on Louis' portrait series at Dorestadt (cat. 330) and at Quentovic (cat. 351) as well; the dies and hammers of +METALL·GERMAN appear on Louis' Melle issue (cat. 396); and the city gate, which Charlemagne issued at Trier, Rouen, Lyon, and Arles, marks Louis' portrait series at Tours (cat. 368), Orléans (cat. 372), Sens (cat. 374, 375), Toulouse (cat. 417, 418), Arles (435–438), Pavia (cat. 445), and Treviso (cat. 452). The temple appears only on one of Louis' portrait issues, and that bears the name of Milan instead of the *Christiana Religio* inscription. Lothaire I, however, restored the type to his portrait series (cat. 562–569), and, abandoning all other iconographical types, he adopted the temple as the reverse type for most of his other strikings, in most cases surrounding it with the name of the mint city. Though he did not adopt the *Christiana Religio* type in his portrait series, Louis the Pious did issue the type in great volume, struck to a standard obverse showing a central cross surrounded by his name and the imperial title; Lothaire continued to issue coins of this design in his own name simultaneously with the *Christiana Religio* portrait series.

By the time of Lothaire I, the *Christiana Religio*/temple type had lost the special association with the likeness of the emperor which Charlemagne had given it; and, when Louis adopted the temple as his reverse type at Milan and at Dorestadt (cat. 337) and Lothaire I likewise had it struck in most of his known mint cities substituting the name of the city of issue for the original inscription, the entire character of Charlemagne's issue—its coupling with the imperial portrait and its dissociation from particular mints—had vanished. Some *Christiana Religio* issues of Louis the Pious even lack the temple altogether (cat. 466–468); in them, the last trace of Charlemagne's careful iconographical relationship between the Emperor, the Church (represented by the temple), and the *Christiana Religio* legend, was destroyed.

The symbolic character of the type had entirely changed in the decade or so after Charlemagne's death, and, for our purposes, two aspects of this change are most important: the de-imperialization of the *Christiana Religio* reverse, and the adoption of the temple type in normal mint issues. Because the type was adopted by Lothaire's younger brothers, Pippin I of Aquitaine and Charles the Bald, and issued in their royal series and in the series of later kings as well, and because the temple did appear in the issues of known mints, we can have some clear picture of the geographical areas where the temple type appeared, where it was predominant, and finally, by referring to coin finds, when it was most prevalent. The following list summarizes our information on the geographical distribution of the temple type, giving under the name of each ruler the mints known to have issued that type, the reference number in the catalogue, and finds in which the coins occurred.

Louis the Pious

Dorestadt, 337. Ide, Pilligerheck.
Milan, 449, 450. No find.

Lothaire I

Bordeaux, 555. No find.
Cambrai, 543–545. Zelzate, Pilligerheck.
Cologne, 532–534. Groningen.
Dorestadt, 525–530. Numerous finds (see catalogue).
Huy, 541, 542. Emmen, Ballon, Pilligerheck.
Maastricht, 535–540. Wagenbogen, Ide, Pilligerheck.
Metz, 547–549. Wagenbogen, Zelzate, Pilligerheck.
Palace, 516, 517. Wagenbogen, Zelzate, Pilligerheck.
Trier, 546. Emmen, Pilligerheck.
Verdun, 551, 552. Emmen, Groningen, Pilligerheck.

Pippin I/II

Aquitaine, 597. "Frisia," Zelzate, Hon.
599. Wagenbogen, Pilligerheck.
Dax, 614. Kimsword-Pingjum II, Pilligerheck.

Charles the Bald

Auxerre, 1085, 1086. No find.

Bourges, 1167. Chamoux-Marcilly.

Chartres, 932. Midlaren, Etréchy.

Laon, 792. Pilligerheck.

793. Zelzate.

Le Mans, 911. No find.

Meaux, 848. Kimsword-Pingjum II.

Melle, 1059. No find.

Orléans, 945. Zelzate, Ide, Pilligerheck, Emmen, Chamoux-Marcilly.

Paris, 827. Oudwoude, Zelzate, Pilligerheck, Wagenbogen, Lop persum.

Quentovic, 715. Pilligerheck.

Rheims, 813. Neuvi-au-Houlme, Kimsword-Pingjum I (?), Fontaines, Ballon, Achlum, Zelzate, Ide, Pilligerheck, Wagenbogen Emmen, Marsum.

St. Martin, 919. No find.

920. Zelzate, Pilligerheck.

921. No find.

Sens, 980, 981. Wagenbogen.

982. Wagenbogen, Pilligerheck, Midlaren.

Louis II (Emperor)

Beneventum, 1172-1174. No find.

Lothaire II

Aachen, 1184. Midlaren.

Metz, 1186. No find.

Verdun, 1187-1189. Ide, Wagenbogen.

Louis III (?)

Sens, 1261. No find.

Charles the Simple.

"Bledonis," 1425-1427. Haute-Isle.

Trier, 1157. Store Valby.

Arnulf

Mainz, 1532, 1533. No find.
 Milan, 1536, (1537), No find.
 Pavia, 1538. No find.
 Regensburg, 1534. No find.

Louis IV, the Child

Mainz, 1546–1548. Cuerdale.
 Trier, 1566. Store Valby.
 Würzburg, 1548. Cuerdale.

Lothaire of France

Bourges, 1672–1677. Chateauneuf-sur-Cher.
 Soissons, 1659. No find.

The temple type continued to be struck in Italy, at Pavia and Milan, by Berengar I, Hugh and Lothaire, Berengar II, and Rudolf III; at Lyon, by Rudolf III and Conrad II, who also struck the temple type at Cologne; at Metz and Regensburg by Henry the Fowler; and at Mainz and Trier by Otto I and/or Otto II. Keary has traced the morphology of this type into the later feudal period, and the interested reader is referred to his essay for information about the later history of the type.¹⁹

From the list just given, three things relevant to the history of the *Christiana Religio* type may be deduced. First, the fact that, except in a few instances, successive rulers did not continue striking the temple type in their mint cities indicates that the type was simply not standard long enough to experience continuity of that sort. It is true that both Louis the Pious and Arnulf issued it at Milan; Lothaire I, Charles the Simple, and Louis the Child, at Trier; Louis the Pious and Lothaire I at Dorestadt; Arnulf and Louis the Child at Mainz; Lothaire I and Lothaire II at Verdun; Charles the Bald and (perhaps) Louis III at Sens; Charles the Bald and Lothaire of France at Bourges; and probably Pippin I and Pippin II at "Aquitaniarum." But there is wide discontinuity in some of these sequences, and none of them is long enough to give evidence of typological continuity. The type seems to have enjoyed a brief vogue.

¹⁹ C. F. Keary, "The Morphology of Coins," *NC* 1886, pp. 74 f.

The second observation is that the vogue reached its height in the time of Lothaire I and Charles the Bald, that is, ca. 840–855, and that it was most pronounced in the Rhine Valley and in adjacent regions of France. Some mints in the south of France (Dax, Bourges, Auxerre) and some in the west (“Aquitaniarum,” Melle, Le Mans, Orléans, Chartres, Paris, St. Martin of Tours, Bordeaux) did issue the temple type, but the greater number of mints issuing it lay in the area bounded by the Rhine and by an imaginary line drawn from Mainz to Rheims and thence to Quentovic.

The importance of these two observations for our understanding of the *Christiana Religio* series is underscored by the third: namely, that the period in which the temple type enjoyed its greatest vogue in these cities is the same period in which, on the evidence of coin deposits, the *Christiana Religio* series achieved its greatest volume of production. The two series alike tend to be absent from deposits laid down in the 830's, such as “Frisia,” Cosne, and Auzeville, but they become predominant in deposits of the period 840–864, such as Ide, Pilligerheck, and Wagenbogen. Finds buried after 864, such as Courbanton II, Courbanton III, Glizy, and Cuerdale characteristically lack *Christiana Religio* types entirely, and contain very few, if any, coins of the temple type with a city's name.

The evidence of coin finds, therefore, shows that the history of the *Christiana Religio* type is in some measure also the history of the other temple type issues; once the *Christiana Religio* type had been de-imperialized, and the temple type had entered the normal series (perhaps, as we have suggested above, in 832), the *Christiana Religio* and the normal types flourished together, in the same areas and at the same time, and together they lost their predominant position about the time of Charles the Bald's monetary reform of 864.

Under these circumstances, one could well expect to find stylistic and epigraphical similarities between coins of the series of identifiable mints and those of the *Christiana Religio* series, and thus identify some, and perhaps many, *Christiana Religio* mint cities. Indeed, most of the progress made toward identifying them has been made by this comparative method. In this way, Dr. van Gelder has shown that some temples in the *Christiana Religio* series are stylistically identical with temples in the Dorestadt series of Lothaire I; and we

may add that the highly distinctive style of the temple with an elongated cross, and the epigraphy of the inscription XAURELIANIS, which Charles the Bald struck at Orléans (cat. 945), corresponds so closely with the style of some *Christiana Religio* denarii that Orléans too can unhesitatingly be identified. In another essay, we have examined still another means of identification, the mules and hybrids of the Carolingian series, which add to the list of *Christiana Religio* mint cities Laon and Béziers, and, from a later period, Constance.²⁰ A final point of comparison is the appearance of distinctive markings on a relatively small number of *Christiana Religio* issues of Louis the Pious (cat. 480–505). Some of these correspond with markings on the coins of Lothaire I and of Charles the Bald; one dot beneath the temple (Louis, cat. 483 = Lothaire, cat. 586 = Charles, cat. 1164), a chevron beneath the temple (Louis, cat. 482 = Charles, cat. 1165), three dots, triangularly arranged beneath the temple (Louis, cat. 496 = Charles, cat. 1166), three dots horizontally arranged beneath the temple (Louis, cat. 494, 495 = Lothaire, cat. 592), and three dots, triangularly arranged beneath the temple with one dot at each side of the temple (Louis, cat. 498 = Charles, cat. 1167). In themselves, these correlations are merely interesting evidence that Louis's sons used his types (and perhaps his dies). But we are able to suggest on the basis of the same markings on other temple type issues that two of these markings indicate known mints: three dots horizontally arranged beneath the temple occur on the Huy issues of Lothaire I (cat. 541, 542), and (as Prou has already observed), three dots horizontally arranged beneath the temple, with one dot at each side of the temple, occur on a Quentovic issue of Charles the Bald (cat. 715). Aside from these markings, which occur on the *Christiana Religio* series both of Louis the Pious and of his sons, there are other markings in Louis's *Christiana Religio* series paralleled in other series of his sons which may indicate the mint of Louis's issues: for example, the cross beneath the temple (cat. 474) is paralleled by the cross beneath the temple in issues of Charles the Bald at Laon (cat. 792) and at Meaux (cat. 848).

These remarks have been intended to summarize our present knowledge about the *Christiana Religio* series, and to suggest some

²⁰ "Mules' in the Carolingian Series," NC 1961, pp. 231 f.

lines of enquiry which future investigations may follow. If we can, with some certainty, identify Dorestadt, Orléans, Huy, Quentovic, Béziers and, perhaps, Laon and Meaux as cities where the *Christiana Religio* coins were struck, we have gone a little beyond our predecessors in this arduous work, and we can take hope that the complexities of this critical series will ultimately be explained.

For the present, the discussion above merely illustrates the problems of attribution which encumber the study of Carolingian numismatics. And we may for the present conclude that the difficulties of attribution produced by the continuation and immobilization of types are beyond clarification by the historical evidence reviewed above. Such precision as is possible must come from purely numismatic evidence—from coin finds, and from the coins themselves.

COIN FINDS

Since Carolingian coin finds cannot be dated precisely, their chief value in establishing a chronological sequence of mintage is as evidence of the synchronism of types in circulation; for they indicate which types were in currency on the specific occasions when the deposits were buried. They do not indicate, however, when those occasions were, or whether the various issues which they contain entered circulation at the same time or over a space of many years. Still, because of what is known from documentary evidence, finds can be dated approximately according as they consist entirely or predominately of coins from Charlemagne's first or second period, of coinage of Louis the Pious and his sons, or of the GRATIA D-I REX type. But the limits of this method of classification are narrow; for example, a find which consists largely of GRATIA D-I REX pieces can only be dated "after 864" in the absence of more restrictive evidence, and a deposit containing only issues of Louis the Pious can only be dated to the reign of Louis the Pious, or a little later, proof only that coins of that Emperor circulated in his own day.

The largely homogenous character of Carolingian finds, however, allows of two presuppositions in attributing their contents to rulers and to times. First, one may suppose that the bulk of coins in any normal find were struck within a short time—between five and fifteen years—immediately before deposit. And secondly, one may assume the likelihood that a find will not contain issues of two rulers, not in immediate sequence, from the same mints and lack entirely issues of intermediate rulers from those mints.

The application of these principles to finds from the earlier Carolingian period is not so critical as their application to the later, where attributions are most difficult. Among the early finds, Krinkberg is particularly important as it proves the circulation of an issue of Louis the Pious parallel in style to the pre-reform issue of Charlemagne side by side with that primitive issue; as already observed, Ilanz II assists in dating Charlemagne's monetary reform. As for the

other deposits of roughly the same period, there is no mistaking the coins of Pippin, Carloman, and Charlemagne in the Imphy find, or those primitive issues of Charlemagne which constituted the Bel-Air, Jessum, Vercelli, Chézy-l'Abbaye, "Jura," and Sarzana finds. Deposits from Charlemagne's second period prove that he struck the obverse type **CARLVS REX FR** circumscriptional about a cross or a monogram of Karolus throughout the Empire—in Agen, Arles, Béziers, Bourges, Chelles, Dorestadt, Lyon, Mainz, Melle, Milan, Pavia, Toulouse, Tours, and Treviso—and that the coins bearing the same obverse type and the reverse legend **EX MEALLO NOVO** circumscriptional about a Karolus monogram must also be attributed to him.²¹

Finds from the time of Louis the Pious and the period just after his death are valuable chiefly because of the attributions to Charles the Bald which they make possible. By virtue of the issues of Louis the Pious, Lothaire I, and Pippin I or II associated with issues of Charles in these finds, it is clear that the inscription **CARLVS REX**, later common on issues of Charles the Simple, occurred on the obverse of issues of Charles the Bald in Aquitaine,²² Bruges,²³ Chartres,²⁴ Meaux,²⁵ Melle,²⁶ Orléans,²⁷ Paris,²⁸ Toulouse,²⁹ the palace,³⁰ and on Charles's **XPISTIANA RELIGIO** series.³¹ Further, the Zelzate find indicates that the inscription **KAROLVS GRATIA DI REX**, which occurs on an issue of Laon, belongs to Charles,³² and Pilligerheck likewise shows that the inscription **CARLVS REX FRANCO** (which appears in the much later deposits of Arras and Cuerdale) must be ascribed to him. Finally, the deposits from this period prove that Charles the Bald revived the **CARLVS REX FR** type of his grandfather

²¹ The finds in question are Biebrich, Bondeno, Ibersheim, Veuillin, Belvézet, and Dorestadt (1846).

²² Aquitaine — Finds of Muizon-lez-Malines, Etréchy.

²³ Bruges — Find of Wagenbogen.

²⁴ Chartres — Find of Pilligerheck.

²⁵ Meaux — Finds of Kinswerd-Pingjum II, Pilligerheck.

²⁶ Melle — Find of Brioux.

²⁷ Orléans — Find of Cosne.

²⁸ Paris — Find of Wagenbogen.

²⁹ Toulouse — Find of Auzeville.

³⁰ Palace — Finds of Compiègne, Nourray, Courbanton III, Glizy, Beaumont.

³¹ **XPISTIANA RELIGIO** — Find of Pilligerheck.

³² Aquitaine — Finds of Chamoux-Marcilly, Etréchy.

and struck it extensively—in Auxerre,³³ Bourges,³⁴ Chartres,³⁵ Lyon,³⁶ Melle,³⁷ Mouzon,³⁸ Orléans,³⁹ Paris,⁴⁰ Quentovic,⁴¹ Rheims,⁴² St. Denis,⁴³ Sens,⁴⁴ Toulouse,⁴⁵ Tours,⁴⁶ and on his XPISTIANA RELIGIO series,⁴⁷ with various reverse types.

From later finds, one would expect some clarification of the confused GRATIA D-I REX series, and of the late issues in the name of the Emperor, or of the Emperors, Charles; but such clarification as the find evidence affords is circumstantial and far from satisfactory. The two principles of attribution stated above cannot, on the whole, be applied advantageously to the finds deposited prior to the Edict of Pîtres; for those principles are designed merely to provide attributions of specific coins to specific rulers, a function discharged by inscriptions on the coins themselves in deposits buried from the reign of Charlemagne until about 864. Only with regard to finds from the period after 864, where continuity and immobilization of types obscure attributions, do these general principles become relevant.

By applying them, one can arbitrarily distinguish some finds from this period as being later than others. The later deposits may be assigned to the time of Charles the Simple, and the earlier to the reign of Charles the Bald or of Charles the Fat, according to three corollaries of the two principles: First, that finds consisting entirely of pieces in the name of a Charles as King and/or as Emperor, with-

³³ Auxerre — Finds of Cosne, Emmen, Midlaren.

³⁴ Bourges — Find of Chamoux-Marcilly.

³⁵ Chartres — Finds of Emmen, Etréchy, Midlaren, Pilligerheck.

³⁶ Lyon — Find of Pilligerheck.

³⁷ Melle — Finds of Achlum, Brioux, Chamoux-Marcilly, Melle, Rijs.

³⁸ Mouzon — Find of Zelzate.

³⁹ Orléans — Finds of Achlum, Chamoux-Marcilly, Etréchy, Ide, Oudwoude, Pilligerheck, Wagenbogen.

⁴⁰ Paris — Finds of Loppersum, Oudwoude, Pilligerheck, Wagenbogen.

⁴¹ Quentovic — Finds of Pilligerheck, Zelzate.

⁴² Rheims — Finds of Achlum, Fontaines, Ide, Kimsword-Pingjum II, Neuvi-au-Houlme, Wagenbogen, Zelzate.

⁴³ St. Denis — Find of Zelzate.

⁴⁴ Sens — Finds of Emmen, Midlaren, Pilligerheck, Wagenbogen, Zelzate.

⁴⁵ Toulouse — Finds of Auzeville, Brioux.

⁴⁶ Tours — Find of Pilligerheck.

⁴⁷ XPISTIANA RELIGIO — Finds of Achlum, Chamoux-Marcilly, Emmen, Fontaines, Indre, Kimsword-Pingjum I and II, Lauzès, Muizon-lez-Malines, Oudwoude, Pilligerheck, Wagenbogen.

out any admixture of coins of Louis II/III, Odo, or Louis IV, belong to Charles the Bald.⁴⁸ Second, that deposits containing principally coins of "Charles" with an admixture of coins of Louis II/III and/or Carloman belong to Charles the Bald or Charles the Fat. And third, that "Charles" finds which contain coins of later rulers, e.g., Berengar, Lambert and Louis the Child, were deposited in the reign of Charles the Simple. Under the first corollary, the following finds may be attributed to the time of Charles the Bald: Beaumont, Bourgneuf, Chalon-sur Saône (1956), Evreux, Gannat, Jouaye-Mondaye, Marsum, Moulin-Gargot (all of which contain issues of an Emperor Charles), Assebrouck, Laxfield, Nourray, Vaux-de-Vire, and Yrond (all of which lack imperial issues). Under the second corollary, "Charles" issues in the following deposits may be ascribed either to Charles the Bald or to Charles the Fat: Avignon, Bligny, Bonnevaux, Courbanton II, Courbanton III, Glizy, and Issy-l'Evêque (all of which contain imperial issues of "Charles"), Arras, Compiègne, Etampes, Roches l'Evêque, Roswinkel, Saumeray, Savigné-sous-le-Lude and Troyes.⁴⁹ Under the last corollary, the following finds can be dated to the reign of Charles the Simple: Odoorn (which contains an imperial issue of "Charles"), Bruère, Chateauneuf-sur-Cher, Coudre, Cuerdale, Dalen, Evreux (St-Taurin), Haute-Isle, Ilanz I, Langres, Metz, and Saumur.⁵⁰ The deposit of Chalon-sur-Saône (1893), which contained one XPISTIANA RELIGIO denarius of Louis the Pious, one denarius of the same type in the name of CARLVX REX FR, and numerous pieces (the exact number is not known) of the GRATIA DEI REX type, should probably be assigned to the reign of Charles the Bald as well. And the "Charles" pieces (imperial series) in the Assen find, which also contained issues of Louis the Pious, Lothaire I, and Louis the Child, belong either to Charles the Bald or to Charles the Fat. The deposit of Rennes, which would otherwise fall in the second class, can be dated ca. 920, since it contained early tenth-century issues of Auvergne, Italy and East Anglia.

⁴⁸ This corollary, however, has the inconclusive character of any *argumentum ex silentio*. M. Lafaurie's perceptive suggestion about distinctions between the GRATIA DEI REX issues of Charles the Bald and Charles the Simple appeared too late to be incorporated into this essay. See, now, "Deux trésors monétaires carolingiens," *RN* 1965, pp. 268f.

⁴⁹ The denarius of Charlemagne struck at Milan is an exception.

⁵⁰ As Gariel pointed out (*op. cit.*, vol. I, p. 153), this find has been egregiously falsified, and only the Carolingian portions can be accepted as belonging to the deposit.

On this classification, it is apparent that many prolific mints—Orléans, Angers, Tours, Blois, Evreux, Cambrai, Paris, Bruges, and Le Mans—issued the GRATIA D-I REX type both under Charles the Bald and under Charles the Simple. These issues are identical in type, style, fabric, and weight. And even under our first principle—that the bulk of the coins in a find may be assumed to have been struck within about fifteen years of deposit—there is an open possibility that the “Charles” pieces in the third group were struck, not by Charles the Simple, but by Charles the Fat.

One may, therefore, tentatively attribute the finds to the reigns of particular rulers, but the attribution of the coins which those deposits contained remains, on the whole, a matter of conjecture. Only the types which occur in the group under the first corollary above can be attributed with a fair degree of certainty to a particular ruler. Yet, in the last analysis, there is no absolute evidence that they were not struck by Charles the Fat or by Charles the Simple and deposited in either of their reigns. Finally, the deposits adduce no grounds for separating the series of Pippin I and Louis II from those of their sons and namesakes.⁵¹

No argument can proceed from synchronism of currency to synchronism of issue without external evidence, either documentary or numismatic; for this reason, the evidence of coin finds is inconclusive for purposes of attribution. Many issues can be attributed to specific rulers on the bases of type or weight. For these classifications (e.g., for the early issues of Charles the Bald), coin finds add useful support, by indicating that the pieces which might be ambiguously attributed were in frequent circulation together with pieces easily attributable to other rulers; but this principle is valid only when the rulers in question governed simultaneously, or almost simultaneously. Coin finds, then, furnish grounds only for the most tentative attribution where more certain evidence does not already exist; they cannot clarify absolutely the confused series of the late ninth and early tenth centuries.

⁵¹ It must always be understood, therefore, that systems of classification like that in the present catalogue are tentative. In addition to the classifications of Gariel and Prou, see Engel and Serrure, *op. cit.*; J. A. Blanchet and A. Dieudonné, *Manuel de numismatique française*, I (Paris, 1912). R. Serrure, “Liste alphabétique des ateliers monétaires de Charles le Chauve: 840–877,” *Bulletin mensuel de numismatique et d'archéologie*, III (1883/4), pp. 37–44.

INTERPRETATION OF TYPES

It might be expected that one could, by close study of coin types, place the greater part of Carolingian issues within a precise historical context, just as students of classical antiquity have been able to date exactly some issues and whole series by the portraits, allegorical scenes, or symbols stamped on the coins. But for the student of Carolingian numismatics, the interpretation of types is methodologically impracticable in dating particular coins or even in establishing when a series was begun and when it was discontinued. There are three principal reasons for this difficulty. The confusion of types used by the several Charles's and Louis's, which we have mentioned above, and its corollary, the immobilization of types, constitute the first barrier to setting ninth and tenth century issues in an historical sequence. For neither the types nor the weight of the coins nor their fabric distinguish the identical types which were struck, on the evidence of coin finds, by two or more rulers over a period of fifty to sixty years. The second reason is the essentially aniconographical nature of Carolingian types. Unlike classical issues, Carolingian coins do not bear allegorical representations designed to commemorate particular events. The usual types are circumscriptive inscriptions—the name and title of the ruler on the obverse and the name of the mint city on the reverse—about a cross, a monogram, or, more rarely, a temple. They are, so to speak, historically anonymous, for they belong to no precisely definable historical circumstances. The representational types which are preserved are simple designs, e.g., a ship, or a city gate, without special attributes which would relate them to particular occurrences. Clearly, they were unusual issues, since they are too few to constitute a close chronological sequence, but, and this is the third reason for our difficulty, their symbolism is too general to permit explicit dating.

Coin types, on the whole, do not provide any evidence for establishing a chronology of Carolingian mintage; dissociated from particular events, their only value is in their abstract symbolic content.

The meaning of many representational types is readily apparent. For example, the portrait busts which appear on the coins of Charlemagne, Louis the Pious, and Lothaire I, as Emperors, the reverse type of the ship, stamped on denarii which Louis the Pious struck at Dorestadt, and that of the city gate, which appears on issues of Charlemagne, Louis the Pious, and Charles the Bald before his imperial accession, were all patterned on Roman imperial prototypes. They betray the effort of the Frankish rulers to establish as a political myth a direct line of legitimate government running from themselves back to the Caesars.⁵² Similarly obvious are the meanings of the monogram and the cross, which appear interchangeably as obverse and reverse types on the issues of Charlemagne after his coin reform, and on those of Charles the Bald, Louis II/III, and Odo. The monogram of the name of the reigning king was guarantee that the coin which bore it was an official issue of the proper weight and metallic content. It attested to the authenticity of the coin, just as the same monogram on royal seals attested to the authenticity of written documents.⁵³ The monogram was the sign of the earthly

⁵² The small place iconography held in Carolingian numismatics may have been determined by the opposition of some powerful ecclesiastics to representational art. For the present purposes, Agobard of Lyon's quotation from the Venerable Bede is especially apt: "*Quibus verbis aperte declaratur quod illae similitudines fieri prohibentur ab hominibus, quae in venerationem deorum alienorum facere solent impii, quaeque ad colendum atque adorandum gentilitas errabunda reperit. Caeterum simpliciter haec fieri nulla, ut reor, legis divinae littera vetat. Alioquin et Dominus tentantibus se Pharisaeis de tributo Caesaris reddendo, in quo nomen et imaginem Caesaris expressam esse dicebant, nequaquam ita responderet: 'Reddite quae sunt Caesaris Caesaris, et quae sunt Dei Deo.' Sed potius eorum corrigeret errorem, dicens: 'Non licet vobis in percussura auri vestri imaginem facere Caesaris, quia talem sculpturam lex divina prohibet. Esset namque locus ut ostenso sibi numismate census hoc diceret, si in eo Caesaris imago, cujus idolotriam, et non ad iudicium magis regiae potentiae, esset formata.'*" Agobard, *Liber de Imaginibus Sanctorum*, c. 21, Migne, PL. 104, 217. See J. A. Cabaniss, *Agobard of Lyon* (Syracuse, 1953), p. 55. Cf. Walafrid Strabo, *De exordiis*, c. 8 (MGH Cap. Reg. Fr. II, p. 483): "*Et fortasse, qui imperatoris fidelium veluti in nummo contempsit imaginem, ante tribunal ipsius protervitatis suae pariter et inquietudinis poenas exsolvit. Non enim levem iniuriam seculi potentes sibi putabant inlatam, si imaginem suam vel nomen in quolibet numismate a subiectis despici cognoverint et calcari.*"

⁵³ On the numismatic use of the monogram, see the Edict of Pitres (864), MGH Cap. Reg. Fr. II, p. 315, no. 273, c. 11: "*Ut in denariis novae nostrae monetae ex una parte nomen nostrum habeatur in gyro et in medio nostri nominis*

king; the cross was that of the heavenly. As the Synod of Frankfurt declared against the Byzantine iconodules, "*Hoc [i.e., the cross] est nostri regis insigne, non quedam pictura, quod nostri exercitus indesinenter aspiciunt legiones. Hoc est signum nostri imperatoris, non conpaginatio colorum, quod ad proelium nostrae sequuntur cohortes.*"⁵⁴ It was an ensign which proclaimed the universal dominion of the Heavenly Emperor, both in Heaven and on earth, dominion over all peoples, which Christ had won by His Passion.⁵⁵ The combination of these two symbols as obverse and reverse types on the same coins points up the quasi-sacred nature of coinage which is also indicated most clearly by the fact that the falsification of coinage was punishable both as perjury in the royal courts and as sacrilege in the episcopal courts.⁵⁶ It also expresses the personal relationship which ninth-century political thought defined between God and the earthly king, His special representative or vicar, and between the Heavenly

monogramma: ex altera vero parte nomen civitatis et in medio crux habeatur." Cf. A. Blanchet, "Hypothèses sur l'origine du monogramme carolingien," *Congrès International de numismatique* (1953), vol. VII (Paris, 1957), pp. 335-339, who suggests that the Karolus monogram derived from fifth or sixth century Byzantine prototypes.

⁵⁴ Libri Carolini, II, 28, MGH Conc. K. A. II, Suppl., p. 89.

⁵⁵ Cf. Hincmar of Rheims, LV Capitula, c. 15, Migne PL. 126, 328: "*Nam et ipsa crucis figura dilatatum ubique Domini significat regnum et monarchiam fidei ipsius signi, . . .*" Pseudo-Alcuin, Liber de Divinis Officiis, c. 18, Migne PL. 101, 1208: "*Nam ipsa crux magnum in se mysterium continet, cujus positio talis est, ut superior pars coelos petat, inferior terrae inhereat fixa, infernorum ima contigit; latitudo autem eius partes mundi appetat. . . . Jacens vero crux quattuor mundi partes appetit, orientem videlicet et occidentem, aquilonem et meridiem, quia et Christus per passionem suam omnes gentes ad se trahit, et omnia sibi subjugavit juxta quod ipse surgens a mortuis dicit: 'Data est mihi omnis potestas in coelo et in terra.'*" See also Amalarius, De ecclesiasticis officiis, I, 14, Migne PL. 105, 1028ff., Einhard, Quaestio de adoranda cruce, MGH Epp. K. A. III, p. 149; and Rhabanus Maurus, De Laudibus S. Crucis, I, fig. 1, declaratio, Migne PL. 107, 143.

⁵⁶ Cf. Edict of Pitres (864), MGH Cap. Reg. Fr. II, no. 273, p. 315, c. 13: "*. . . sicut constitutum est de falsis monetariis in libro IV. capitulorum XXXIII. capitulo, manum perdat, et ut sacrilegus ac pauperum spoliator publicae poenitentiae iudicio episcopali subiciatur.*" Ibid., c. 9, p. 314: Referring to the oaths of mint officials that they would discharge their offices faithfully, Charles commanded: "*De quo sacramento quicumque comprobatus fuerit periuratus, et secundum legem mundanam ut periurus puniatur, sicut in capitulari decessorum ac progenitorum nostrorum continetur in fine capituli decimi ex tertio libro, et secundum legem ecclesiasticam publicae poenitentiae subigatur.*"

Kingdom and the terrestrial which was its reflection. Any characteristic functions of earthly government, including mintage, was an exercise of the king's role as the "minister of God;" and it consequently fell within the dimension of the sacred.⁵⁷

Two iconographical types in the Carolingian series have aroused particularly great scholarly interest; and, as there is no general agreement concerning their symbolic meaning, a review of pertinent evidence may be in order. The earlier of these types is the XPISTIANA RELIGIO reverse, which consists of a tetrastyle temple on two steps with one cross centered at the top of the steps and another at the top of the gabled roof, and the legend XPISTIANA RELIGIO circumscriptional about the temple. The second and later type is the reverse of the extremely rare gold "medallion," or "solidus," of Louis the Pious. It consists of a cross surrounded by a wreath, the whole design being encircled by the inscription MVNVS DIVINVM.

That the XPISTIANA RELIGIO type expressed some critical aspect of Carolingian political ideology is shown by the facts that Charlemagne instituted it only after his imperial coronation, that the bulk of coins attributed to Louis the Pious are of this type, and that every Carolingian ruler who is known to have struck coins at all issued some XPISTIANA RELIGIO denarii.⁵⁸ Scholars have not agreed on the symbolic meaning of the temple, however, and consequently they have not agreed on the ideological point which it expresses. Some authors have held that the temple represented particular churches. Prou, for example, maintained that it was St. Peter's in Rome, and that Charlemagne commissioned the design to commemorate the scene of his imperial coronation.⁵⁹ Rivoira believed that

⁵⁷ On the general principles of political thought alluded to here, see A. J. Carlyle, *A History of Medieval Political Theory in the West*, I (London, 1930), pp. 210ff.; H. Fichtenau, *Das karolingische Imperium* (Zurich, 1949); E. H. Kantorowicz, *Laudes Regiae: A Study in Liturgical Acclamations and Mediaeval Ruler Worship* (Berkeley, 1946).

⁵⁸ Cf. W. Hävernicks, "Hamburg als karolingische Münzstätte," *Hamburger Beiträge zur Numismatik*, I (1947/51), p. 12, n. 13: Referring to the XPISTIANA RELIGIO type of Prou 1055, Hävernicks writes: "Eine Zuweisung an König Ludwig den Jüngeren ist unwahrscheinlich, an König Ludwig das Kind unmöglich, da solche Reichsdenare auch von König Karl III. und König Arnulf nicht mehr vorliegen." See Catalogue, nos. 1523-1531, 1540-1543, 1570.

⁵⁹ M. Prou, op. cit., p. xi.

it represented the façade of St. Martin of Tours, but this argument is based on the analogy between the XPISTIANA RELIGIO type of Charlemagne and a piece struck by Charles the Bald at Tours which he mistakenly attributed to Charlemagne.⁶⁰ And finally, E. Baldwin Smith, following the argument which Gaehde had already formulated and which he later set forth in a still-unpublished essay,⁶¹ stated the thesis that the temple depicted was the chapel of Charlemagne's palace at Aachen.⁶² Other scholars have advocated more abstract interpretations. Bandmann writes of the temple as symbolizing the Heavenly Jerusalem;⁶³ Gattens has described the temple as representing the ancient Church;⁶⁴ and Schramm and Fallon hold that it stands for the whole Christian Church.⁶⁵ In view of this wide disagreement, Völckers, perhaps wisely, refrained from stating any interpretation of his own.⁶⁶

Any hypothesis that the temple type represents a specific church building must founder on the lack of positive evidence. There are no documents which explicitly identify the temple as St. Peter's, St. Martin's, or St. Mary's in Aachen. More important, the inscription XPISTIANA RELIGIO seems a deliberate departure from the conventional obverse which named the mint city where the particular coin was issued. If Charlemagne had intended to represent a definite church, he surely would have followed usual practice, having the name of the church or at least the name of its city inscribed about it. The XPISTIANA RELIGIO type, however, by its very lack of specificity stands apart from the familiar series attributable to particular cities; it belonged, not to one church or to one city, but to the Empire.

⁶⁰ G. T. Rivoira, *Lombardic Architecture*, II (Oxford, 1910), p. 113.

⁶¹ J. E. Gaehde, "The Temple on Charlemagne's Imperial Coins: A Study in Architectural Symbolism," M. A. Thesis, New York University (October, 1954).

⁶² *Architectural Symbolism of Imperial Rome and the Middle Ages* (Princeton, 1956), p. 97.

⁶³ G. Bandmann, *Mittelalterliche Architektur als Bedeutungsträger* (Berlin, 1951), p. 96.

⁶⁴ R. Gaetgens, "Münzen Karls d. Gr.," op. cit., p. 57.

⁶⁵ P. E. Schramm, "Die Anerkennung Karls des Grossen als Kaiser: Ein Kapitel aus der Geschichte der mittelalterlichen 'Staatssymbolik,'" *Historische Zeitschrift*, 172 (1951), pp. 449ff. H. Fallon, "Imperial Symbolism on Two Carolingian Coins," *ANSMN* VIII (1958), pp. 119-131.

⁶⁶ Völckers, op. cit., p. 14.

It is true that, in his biography of Charlemagne, Einhard connected the Emperor's zeal for the *Christiana Religio* with the basilica in Aachen. Einhard writes, "*Religionem christianam qua ab infantia fuerat [Charlemagne] imbutus, sanctissime et cum summa pietate coluit, ac propter hoc plurimae pulchritudinis basilicam Aquisgrani exstruxit auroque et argento et luminaribus atque ex aere solido cancellis et ianuis adornavit.*"⁶⁷ But neither Einhard nor any of his contemporaries identified the Christian religion so closely with one building that *Christiana Religio* became the familiar name of that building. Rather, the patristic writings which molded the thoughts and even the works of ninth-century authors consistently identify *Christiana Religio* with the universal Church or with the moral life which the Church enjoined. The works of Lactantius,⁶⁸ St. Augustine,⁶⁹ and Gregory the Great,⁷⁰ to mention only three of the authorities to whom ninth-century thinkers looked for guidance, accord in holding that the *Christiana Religio* was the faith and discipline which united all true believers and made them the temple of God. Following them, the Synod of Aachen (836) referred to the Church as the Christian religion when it wrote that taking its example from the ancient tradition of the Fathers, *Christiana religio* was building churches, erecting altars which it anointed with oil, and receiving the sacrifices of the Faithful.⁷¹ In his *De Rhetorica*, written for the instruction of Charlemagne himself, Alcuin discusses *Christiana religio* at length as a religious and ethical system set apart from philosophy by the faith and by baptism, but sharing with it the cultivation of wisdom, justice, fortitude, and temperance.⁷²

The legend, XPISTIANA RELIGIO therefore, denotes the points of faith and discipline which characterized the Church, and the temple

⁶⁷ Vita Karoli, c. 26, MGH SS. in usum Schol., p. 30.

⁶⁸ De Vera Sapientia et Religione, IV, 29, Migne PL. 6, 540.

⁶⁹ De Civitate Dei, XVII, 4, Corpus Christianorum, vol. 48, p. 556. Ennarratio in Ps. CXXXI, 3. Migne PL. 37, 1717.

⁷⁰ Homil. in Ezech. II, 10, 19. Migne PL. 76, 1069.

⁷¹ MGH Conc. K. A. II, p. 735, c. 23. Cf. Relatio Episcoporum (829), MGH Cap. Reg. Fr. II, p. 28, no. 196, c. 1: "*Primum fundamentum christianae religionis est fides catholica, hoc est, credere in Patrem et Filium et Spiritum Sanctum, unum et verum Deum, trinum in personis et unum in substantia . . .*"

⁷² Ed. K. von Halm, *Rhetores Latini Minores* (Leipzig, 1863), pp. 548f., c. 44.

which that legend encircles can only represent the Church, the House of God. A fragmentary letter which Pope Nicholas I sent to the Emperor Louis II toward the middle of the ninth century illustrates this symbolic relationship, recalling incidentally the example of Charlemagne, the inaugurator of the XPISTIANA RELIGIO type: "*Christianae religioni nihil officit, immo proficit, si caritate magistra divino intuitu cum exteris quibusque pro remediis et securitate Christianorum placitum inieritis, cum constet non ob aliud id fieri, nisi ut fera saevicia eorum, quae in fideles unanimiter exardescit, aliquo modo refrenetur. Nam cum Salomonem cum alienigenis ad sanctam gloriam multiplicandam et ad templum Domino facilius construendum amicitiae foedera habuisse dominica sciamus referente istoria, quid mirum si pius imperator ad gloriam Dei et ad securitatem sanctae ecclesiae, quae vere divinum est templum, cum exteris gentibus placitum confirmet, maxime cum piae memoriae Karolus [i.e., Charlemagne], atavus vester, nonnisi ad remedium et solatium Christianorum, qui in diversis locis inter eos tamquam grana inter paleas tundeantur, placitum cum eorum principe noscitur procul dubio perpetrasse.*"⁷³

The XPISTIANA RELIGIO type, therefore, attests to that devotion toward the Church which Einhard attributed to Charlemagne, and it witnesses likewise to the universal dominion conventionally ascribed to the Roman Emperor, dominion to which Charlemagne had title as the successor of Augustus. But since the institution of this type cannot be dated more precisely than 800–814, the period when Charlemagne was Emperor, the coin does not appreciably add to the body of knowledge concerning political or economic developments in that period. The piece is still a critical historical document without a date.

By way of contrast, the strong probability with which the MVNVS DIVINUM "medallion" can be dated and the interpretation of its

⁷³ MGH Epp. K. A. IV, pp. 351f., no. 54. Cf. Alcuin, MGH Poet. Lat., I, p. 235, no. 10, vv. 1–8: "*Urbs aeterna dei, terrae sal, lumina mundi, | Bis sex signa poli, menses et ter quater anni, | Atque diei horae, lapidesque in stemmate Christi, | Vestra aperire polum poterit vel claudere lingua. | Doctores vitae, magnae et medicinae salutis, | Vos fontes vivi, paradisi et flumina sacra; | Vos decus ecclesiae, populi spes, ianua lucis; | Inclita progenies, Salomonis nobile templum.*" Such references to the Church as the "House of God," or the "Temple of God," are very common in Carolingian literature.

symbolic type which that dating makes possible sharply illustrates political events and ideology in the reign of Louis the Pious. In another essay, I have given reasons for associating the MVNVS DIVINVM issue with a VITA ET VICTORIA issue of Lothaire I, represented by a copy in the Berlin cabinet (cat. 593), and for thinking that both series commemorated the Synod of Paris (825).⁷⁴

That the extraordinary character of the two issues, in gold and in solidi, was unprecedented in Frankish coinage, but entirely harmonious with the late Roman and Byzantine series, indicates, we think, that the coins were part of the Frankish answer to a challenge from Byzantium in 824/5.

Since these conclusions were first published, Mr. Grierson has advanced an alternative dating for the two pieces.⁷⁵ Accepting the Berlin piece as evidence of a medallion of Lothaire I closely related to the *Munus Divinum* issue, Mr. Grierson maintains that there were, in fact, three issues: an early issue of solidi in the *Munus Divinum* type by Louis the Pious on the occasion of his imperial coronation in 816, and subsequent issues of (heavier) medallions by Louis, in the same type, and by Lothaire I, in the *Vita et Victoria* type, on Lothaire's proclamation as co-emperor in 817. His reasons for discounting the date of 825 for the two joint issues are (1) that it is "plus logique" to identify the legend *Munus Divinum* with the wreath than with the central cross, since there is no connection between the cross and inscriptions in ordinary Carolingian issues, (2) that, once the association between cross and legend is removed, no reason exists for connecting the issue with the events of 825, and (3) that, if this is so, the relation of the issues to the two coronations is apparent, the wreath being a symbol of the imperial office. Mr. Grierson points out that the word *munus* occurs in contexts other than the records of the Synod of Paris (825), and that, in such instances, it often refers to the royal or imperial office, which, he argues, was conventionally represented by a wreath. Finally, he maintains that the *Munus Divinum* issue of Coenwulf of Mercia was an imitation of the issue of Louis the Pious,

⁷⁴ "The Gold Medallions of Louis the Pious and Lothaire I and the Synod of Paris (825)," *Speculum*, 36 (1961), pp. 592-599.

⁷⁵ P. Grierson, "La date des monnaies d'or de Louis le Pieux," *Le Moyen Age* (1963), pp. 67-74.

and that, since Coenwulf died in 821, the Carolingian prototype of his coin must obviously have been minted before that year.

The judgment of this distinguished numismatist commands respect, but we would venture to suggest the plausibility of another point of view. As to terminology, the question is not properly whether the word *munus* occurs in other contexts, but in what contexts and with what meaning the highly specific term *munus divinum* occurs. The distinction between "office" and "Divine Office," apparent as it is, is all the more important since the term *Munus Divinum* is never applied to the imperial office and only once to the royal office, and then under the most unusual circumstances.⁷⁶ Obviously, the designer of the *Munus Divinum* issue had a specific concept in mind when he planned its reverse legend; and, since the exact term commonly occurs only in the liturgical sense of the Sacred Host, there is every reason to think that he wished to employ that sense, and that he made his purpose clear by setting a cross in the center of his design, surrounding it with the victor's wreath, an ancient and conventional Christian design representing the victory of Christ over death. The argument that, in usual reverse types, the inscription refers to the mint city, or to some element other than the central cross, carries little conviction, since the *Munus Divinum* series is unlike ordinary issues in every way, and equally since there are in fact numerous reverse types in the Carolingian series, such as the *Christiana Religio*-temple type and the issues depicting city gates surrounded by the name of the mint city, in which the inscription identifies the central element in the design. Finally, the late imperial coins on which the issue was patterned serve as precedent for applying the term *Munus Divinum* to the cross; for the terms *Salus Mundi* and *Salus Reipublicae* on those issues indisputably refer to the central crosses and not to the intervening wreaths.

Thus, there is considerable reason for identifying the legend with the cross and consequently with the business before the Synod of Paris. The evidence of Coenwulf's imitation as a check on the 825

⁷⁶ See MGH Epp. III, no 35, p. 542, a, the letter of Pope Paul I to Carloman and Charlemagne. It would be difficult to suggest that this obscure letter, of Roman provenance, written sixty years before the Synod of Paris (825), gives evidence of imperial terminology in the Gaul of Louis the Pious. Indeed, the letter does not even mention the imperial office.

dating is difficult to interpret, since one could maintain on the same evidence that Coenwulf's issue was the prototype and Louis's the imitation.

Mr. Grierson is entirely right in maintaining that the unique heavier *Munus Divinum* piece (no. 514, weight 7.04 gr.), on which the diademed head faces left, must be distinguished from the more numerous pieces (no. 515, weight about 4.30 gr.), on which it faces to the right. (The original *Vita et Victoria* striking seems to have been closer to the heavier *Munus Divinum* issue, since, on the Berlin imitation, the head faces left.) Although other heads in Carolingian portrait coins face left (e. g., nos 643a, 1069), the trait is distinctly rare. The purpose of striking some heavier pieces thus distinguished from the ordinary portrait series may have in fact not been purely ceremonial, as our terming them "medallions" implies, but whether it was to create a new denomination superior to the solidus can not be presently determined. Mr. Grierson's position that the pieces in question appeared in two issues, the lighter in 816 and the heavier in 817, must be considered a highly educated hypothesis pending its substantiation with historical evidence.

The extraordinary character of the *Munus Divinum* and *Vita et Victoria* issues seem to argue for simultaneous striking, and the burden of evidence, historical, philological, liturgical, and even circumstantial, suggests that they were minted in 825. Such consensus of evidence is, however, unique in the Carolingian series. The proper interpretation of the *Munus Divinum* and the *Vita et Victoria* types depends upon their dating. Since the lack of evidence sufficient to date the XPISTIANA RELIGIO issue of Charlemagne and the other issues mentioned above clouds our understanding of their types, their value as historical evidence is proportionately diminished. Enquiries into the symbolism of Carolingian iconographical types are themselves severely restricted by the relatively small number of such types and by their very general symbolic content; and the results of such studies are correspondingly limited by the inability to relate iconographical types to specific historical contexts.

METROLOGY

Like coin finds and the interpretation of types, numismatic metrology leaves the question of attribution unresolved. If one accepts the tentative attributions suggested by find evidence and by typology, however, one can deduce from metrology much concerning the general monetary policies of the Carolingian rulers; but it must always be acknowledged that such deductions are only as secure as the attributions.

The point of departure for any study of Carolingian metrology must be the monetary reform of Charlemagne. Despite disagreement about its date, scholars agree that the monetary reform of Charlemagne was one of the major turning-points in mediaeval economic history; for the new weight standards introduced then were the basis of numismatic metrology well into the later Middle Ages, in Scandinavia as well as in the lands which the great Charles once ruled. There is, however, no scholarly agreement on the circumstances which prompted the reform or on the nature of the reform itself.

Among the probable goals which Charlemagne designed his new currency to serve may have been greater ease and elegance in reckoning, a purpose no doubt favored by the *calculatores* whom the King took with him from Rome to Francia in 787.⁷⁷ But to appraise the significance of the critical element in the reform, the increase in the weights of all moneys, one must refer to the historical pressures which actually urged the reform and the practical goals they inspired. Unfortunately, these can perhaps never be fully known or appreciated; even the precise year of the reform is in doubt. Dopsch suggested that the effort was meant to restore confidence in official coinage, which he believed had been undermined in some way by the earlier Merovingian gold issues.⁷⁸ More recently, Bolin has proposed that

⁷⁷ Monk of Angoulême, *Vita Caroli Magni*, Bouquet, V, p. 185.

⁷⁸ A. Dopsch, *Die Wirtschaftsentwicklung der Karolingerzeit*, II (Weimar, 1922), p. 309.

the full increase in the weight of the standard coin, the denarius, was not achieved in 790, but rather that it was constant throughout the ninth century, ending only in the reign of Charles the Simple. He further proposes that the changes in weight were more or less involuntary adaptations by Charlemagne and his successors to changes of the ratio of gold/silver values in the Arab world.⁷⁹ But the basis for neither of these arguments is clear. That confidence in a gold currency should have been weak and easily transferred to silver is not very likely, and there is no evidence either in archaeological or in literary remains that commercial contact between the Carolingians and Islam was so steady and considerable as to produce the change Bolin describes. By the same token, one cannot at present determine whether the precursor of the Caroline pound was the Islamic silver pound, as Bolin and others have proposed,⁸⁰ or an indigenous Germanic standard.

Mr. Grierson has probably come very close to the true historical cause of the reform by referring to the rupture between Charlemagne and Offa in 790.⁸¹ It is explicitly recorded that the break was so sharp that in 790 no merchants went between Mercia and Francia. Until that time, Offa and the Carolingians struck upon the same weight standard, and there is some evidence that coins of Offa and Pippin

⁷⁹ S. Bolin, "Mohammed, Charlemagne, and Ruric," *Scandinavian Economic History Review*, 1 (1953), pp. 14 ff.

⁸⁰ E.g., R. Doehaerd, "Les reformes monétaires carolingiennes," *Annales: Economies, Sociétés, Civilisations*, 7 (1952), pp. 18 f. A. Lewis, *The Northern Seas* (Princeton, 1958), pp. 226 f. This thesis was already present in the mid-nineteenth century, when A. Soetbeer refuted it, "Beiträge zur Geschichte des Geld- und Münzwesens in Deutschland, IV," *Forschungen zur deutschen Geschichte*, 4 (1866), 332. His comment is still a valid description of the find evidence: "Allein der Voraussetzung jenes Zusammenhangs steht der Umstand entgegen, dass, während, wie schon bemerkt, so häufig auch arabische Silbermünzen, meistens aus späterer Zeit, im nördlichen Europa bei Entdeckung vergrabener Schätze aus dem zehnten bis zwölften Jahrhundert sich vorfinden, in den Ländern des fränkischen Reichs keine Summen vergrabener Dirhems, allein oder in Verbindung mit fränkischen Denaren des achten oder aus dem Anfange des neunten Jahrhunderts, gefunden worden sind; selbst unter den vielen verschiedenen zu Domburg und Wyk te Duerstede entdeckten Münzen aus den Zeiten vor und unter Karl d. Gr. scheinen arabische Dirhems nicht vorgekommen zu sein. Diese Wahrnehmung spricht entschieden gegen die Annahme eines Einflusses des arabischen Münzwesens auf die Münzreform unter Karl d. Gr."

⁸¹ P. Grierson, "Cronologia," op. cit., pp. 75 ff.

circulated together on the Continent.⁸² As to the precise year of the reform, the fact that Louis the Pious issued coins in the first style of his father, and that these primitive issues circulated side by side, as the Krinkberg deposit proves, shows convincingly that the new issues cannot have been instituted before 781, the year of Louis's consecration as King of Aquitaine; and the contents of the Ilanz II find also prove that the earlier types of Charlemagne were predominant in circulation just after 790. There can be no question, therefore, that the reform did not occur before 790, and the historical evidence that 790 was the actual year of the reform is most compelling.

Among the motives which must have prompted Charlemagne's reform may be listed imperial aspirations, which would naturally have promoted a standard and distinctive coinage for all the lands governed by the aspirant; but the raising of the monetary standard above the Anglo-Saxon, the adoption of aniconographical types, unlike the Anglo-Saxon, and the commercial breach with Offa, all occurring simultaneously suggest very strongly that primary among the historical goals of the reform was the establishment of the monetary integrity of the Frankish realm. In fact, no Anglo-Saxon coins—virtually no foreign coins of any kind—occur in ninth-century finds unearthed in the former bounds of the Empire.⁸³

Since François LeBlanc opened the question in the seventeenth century, some distinguished numismatists have attempted to ascertain the metrological system through which Charlemagne sought to establish that monetary integrity. Their estimates of his new mone-

⁸² Cf. NC 1844, p. 104, which registers "a penny of Offa without the portrait and a penny of Pepin, found at Rome," perhaps evidence of a coin deposit. Mr. R. H. M. Dolley kindly drew my attention to this entry.

⁸³ There are six exceptions: two dirhems, the later struck by Harun al-Rashid in 790, which were found in the Ilanz II deposit (F. Jecklin, "Der langobardisch-karolingische Münzfund bei Ilanz," *Mitteilungen der bayerischen numismatischen Gesellschaft*, 25 [1906], 71 f.); the dirhem of Harun al-Rashid, which was part of the Biebrich find (A. Cahn, *Versteigerungs-Katalog*, no. 42 [1922], no. 512. Professors Peter Berghaus and Philip Grierson brought this entry to my attention.), two dirhems (struck between 846 and 861) in the Odoorn find (Boeles, op. cit., p. 73), and a dirhem (dated 866) supposedly from the find of Muizon-lez-Malines (H. Roosens in *RBN* 1950, pp. 203–208). As the Muizon-lez-Malines find was dispersed and reassembled over a long space of time, the pedigree of the later dirhem attributed to it is by no means impeccable.

tary pound have ranged from 366.57 gr. (Blancard) to 491.179 gr. (Prou); LeBlanc, the initiator of the enquiry, proposed 367.13 gr., and Professor Naster, who has discussed the problem most recently, suggested 409.248 gr. Insufficient evidence has brought most of these estimates to the level of hypothesis, for most of them have been deduced from the weights of a few coins of quite different provenances and even of different rulers. A decade ago, Professor Naster drew attention to this faulty methodology by attempting to assess the weight of the monetary pound from the weights of pieces which occurred in the finds of Zelzate and Muizon-lez-Malines, a technique which brought his work both authority and exactitude.

The starting point for all work in Carolingian numismatic metrology must be the contemporary literary remains. The few relevant sources state explicitly and concisely that there were two denominations of measure, the denarius and the solidus, that the solidus was equivalent to twelve denarii, and that the pound consisted of two hundred-forty denarii.⁸⁴ There is no mention in extant documents

⁸⁴ Cap. Saxon. (797), c. 11, MGH Cap. Reg. Fr. I, p. 72: "*In argento duodecim denarios solidum faciant.*" Cap. Legi Addita (816), c. 3, MGH Cap. Reg. Fr. I, p. 268: "*Ut omnis solutio adque conpositio, que lege Salica continetur in Francia per duodecim denariorum solidos componatur. . . .*" Cap. Legibus Addit. (803), c. 9, MGH Cap. Reg. Fr. I, no. 39, p. 114: "*Omnia debita, quae ad partem regis solvere debent, solidis duodecim denariorum solvant, excepto freda quae in lege Saliga scripta est; illa eodem solido quo caeterae compositiones solvi debent componatur.*" This reckoning, of course, was standard long before the 790 reform. Cf. the Cap. Liftinense (743), c. 2, MGH Cap. Reg. Fr. I, no. 11, p. 28, and the Concilium Liftinense (743), c. 2, MGH Conc. K. A. I, no. 2, p. 7. That there were twenty solidi to the pound is not established in documents after 790, but it may be deduced from an earlier (780) capitulary. MGH Cap. Reg. Fr. I, no. 21, p. 52: "*Et unusquisque episcopus aut abbas vel abbatissa, qui hoc facere potest, libram de argento in elemosinam donet, mediocres vero mediam libram, minores solidos quinque. . . . Et qui redimere voluerit, fortiores comites uncias tres, mediocres unciam et dimidiam, minores solidum unum.*" As Charlemagne appears to have left the reckoning proportions of the earlier system unchanged in his major reform, one may surmise that he continued to calculate twenty solidi to the pound. Two recent papers submitted to the American Numismatic Society in its Summer Seminar have treated the question of the Caroline pound with conclusions which approximate those stated in the present essay. Miss Maureen A. Fennell ("Carolingian Monetary Policy in Italy: 774-814") deduced a reform pound of 405.72 gr., consisting of fifteen ounces, and Miss Anne Fox ("The North Italian Coinage of Otto I and the *Honorantiae Civitatis Papiæ*") maintained that the pound weighed 434.4 gr. or 435.9 gr. The manuscripts of these essays are filed at the American Numismatic Society.

of the smallest denomination, the obolus, though it appears to have been commonly struck. Beyond this, the sources admit of ambiguity. One document, an edict of Pippin, commands that twenty-two solidi be struck to the pound,⁸⁵ but the proportion of twelve denarii to the solidus, which other sources specify, indicates that there were only twenty solidi to the pound (240 denarii = 1 pound = 20 solidi). Moreover, this reckoning is explicitly substantiated by a decree of Charlemagne issued before his reform, while he was still striking on the monetary system of his father.⁸⁶ Secondly, the sources mention the denarius as a standard of weight and of value, even though there were differences, sometimes quite appreciable ones, in the weights of individual coins from the same issue and, as we shall see, in the weight standards maintained by the Carolingian rulers. Finally, values are prescribed in terms of denarii and solidi, sometimes, as in the Polyp-tychon of Irminon, in terms both of denarii and of solidi, even though the solidus was not actually struck by Carolingians. (The *Munus Divinum* issue of Louis the Pious may be an exception.) Numismatists have not yet attempted to clarify these ambiguities, and the divergent estimates of the weight of the Carolingian pound derive in part from such fundamental obscurities as these.

The sources themselves suggest the required clarification; for,

⁸⁵ In addition to the sources cited above, n. 84, see a capitulary of Pippin, MGH Cap. Reg. Fr. I, no. 13, p. 32, c. 5: "*De moneta constituimus similiter ut amplius non habeat in libra pensante nisi XXII solidos, et de ipsis XXII solidis monetarius accipiat solidum I, et illos alios domino cuius sunt reddat.*" From this source, Prou concluded, "Pepin avait fixé la valeur de la livre à vingt-deux sols." *Monnaies carolingiennes*, p. xxix. And some scholars have surmised that the monetary pound under Pippin consisted of 264 denarii (e.g., H. H. Völckers, op. cit., p. 32). The document deals with the number of solidi to be struck from a pound of silver (the mint pound) not with the number to be reckoned to a pound in business negotiations (the account pound); and one should allow about 10 per cent as the monetary charge, or the profits of mintage. Cf. a ninth century comment, wrongly attributed to Isidore of Seville, in F. Hultsch, *Metrologicorum Scriptorum Reliquiae*, II (Leipzig, 1866), p. 139: "*Iuxta Gallos vigesima pars unciae denarius est, et duodecim denarii solidum reddunt. Ideoque iuxta numerum denariorum tres unciae quinque solidos complent. Sic et quinque solidi in tres uncias redeunt. Nam duodecim unciae libram XX solidos continentem efficiunt. Sed veteres solidum qui nunc aureus dicitur nuncupabant.*" This comment, however, does not correspond mathematically with the terms of the 780 decree, according to which 5 solidi = $3\frac{3}{4}$ oz. = $1\frac{1}{4}$ lb., and 20 solidi = 15 oz. = 1 lb.

⁸⁶ See above, n. 84.

referring to *solidi* and *denarii* jointly, they indicate that the *denarius*, like the *solidus*, was an abstract standard of value, and, in fact, that there were two kinds of *denarii*, the *denarius* which served as a money of account, and that which served as a struck coin. When values and weights were expressed in terms of *denarii*, therefore, the assessors referred, not to the struck *denarius*, the weight of which was too variable to be meaningful in such a context, but to the abstract, standard *denarius*-weight. This point is important in determining the weight of the Caroline pound, for it indicates that one must search, not for one figure, as scholars have hitherto done, but for two: the standard pound applied in mintage and the pound upon which payments were reckoned by tally. These pounds may be termed the bullion, or mint pound, and the account pound. The fluctuations in the weight frequencies of the coinage struck by Louis the Pious and his successors indicate the variability of the account pound; but the relatively narrow scope of those fluctuations and the consistent fineness of silver content reveal the persistence of the same mint pound throughout the ninth century.

If the supposition of a mint *denarius*, distinct from the actual coin, solves the last two of the three ambiguities mentioned above, the supposition of a mint pound likewise clarifies the first ambiguity observed, the allegation of twenty-two *solidi* to the pound by one document and that of twenty *solidi* to the pound by other sources. In his edict, Pippin commanded that twenty-two *solidi* be struck from every pound of metal, and that two of these should be disposed of, one going to the moneyer and the other to "the lord." Here, Pippin was concerned to specify the allowance for the profit and the costs of mintage, and to limit these to ten per cent of the total mint production. The pound of twenty-two *solidi* therefore corresponds with the mint pound, and the remaining twenty *solidi* composed the account pound of 240 *denarii*.

With these fundamental distinctions and proportions in mind, it is possible to supply other data relating to Charlemagne's monetary pound. The principal evidence is the body of surviving coins, and we must now turn to a survey of these remains.

Since a preliminary statement of these conclusions was published, Dr. Suchodolski has published yet another effort to ascertain the

weight of the monetary pound Charlemagne instituted about 790;⁸⁷ and his essay requires an elaboration of our earlier comments. It is indeed a hopeful sign that gifted scholars in eastern Europe have increasingly turned their attention to problems concerning their western colleagues; we can only hope that western scholars will encourage such interest when it appears and even, if possible, return the compliment. Dr. Suchodolski's essay claims merit on two counts: first, it confirms, by a new method, the conclusions suggested by Professor Naster and later, with some variation, by me about the weight of Charlemagne's pound; and, second, it publishes in the West the method Dr. Suchodolski employed, current among numismatists in Poland but hitherto neglected by western scholars in general and perhaps even unknown to most of them. Of these, the second is by far the more important. His conclusions that the standard weight of the denarius of Charlemagne's reform was about 1.70 gr. or 1.714 gr., and that the weight of the pound was, respectively, 408.00 gr. or 411.36 gr. is entirely in line with the consensus previously established. Since Dr. Suchodolski has promised a further study of the problem, we may defer fuller comment on this aspect of his work pending the appearance of his more mature conclusions.

The strength of the essay under review lies in two aspects of its methodology: the use of three frequency tables for the same body of coins and the determination by formula of a precise modal weight. By describing three charts, one on the scale of 0.05 gr. (from 1.26 gr. to 1.86 gr.) and two on the scale of 0.10 gr. (one from 1.21 gr. to 1.91 gr. and the other from 1.26 gr. to 1.86 gr., erroneously marked 1.26, 1.36, 1.46, 1.56, 1.61, 1.71, 1.81), the author has shown three times that the peak frequency of his specimen coins occurs at about 1.71 gr.—between 1.66 gr. and 1.71 gr., between 1.61 gr. and 1.71 gr., and between 1.66 gr. and 1.76 gr.—but he has also clearly suggested the possibility that, on different scales, the same body of coins may

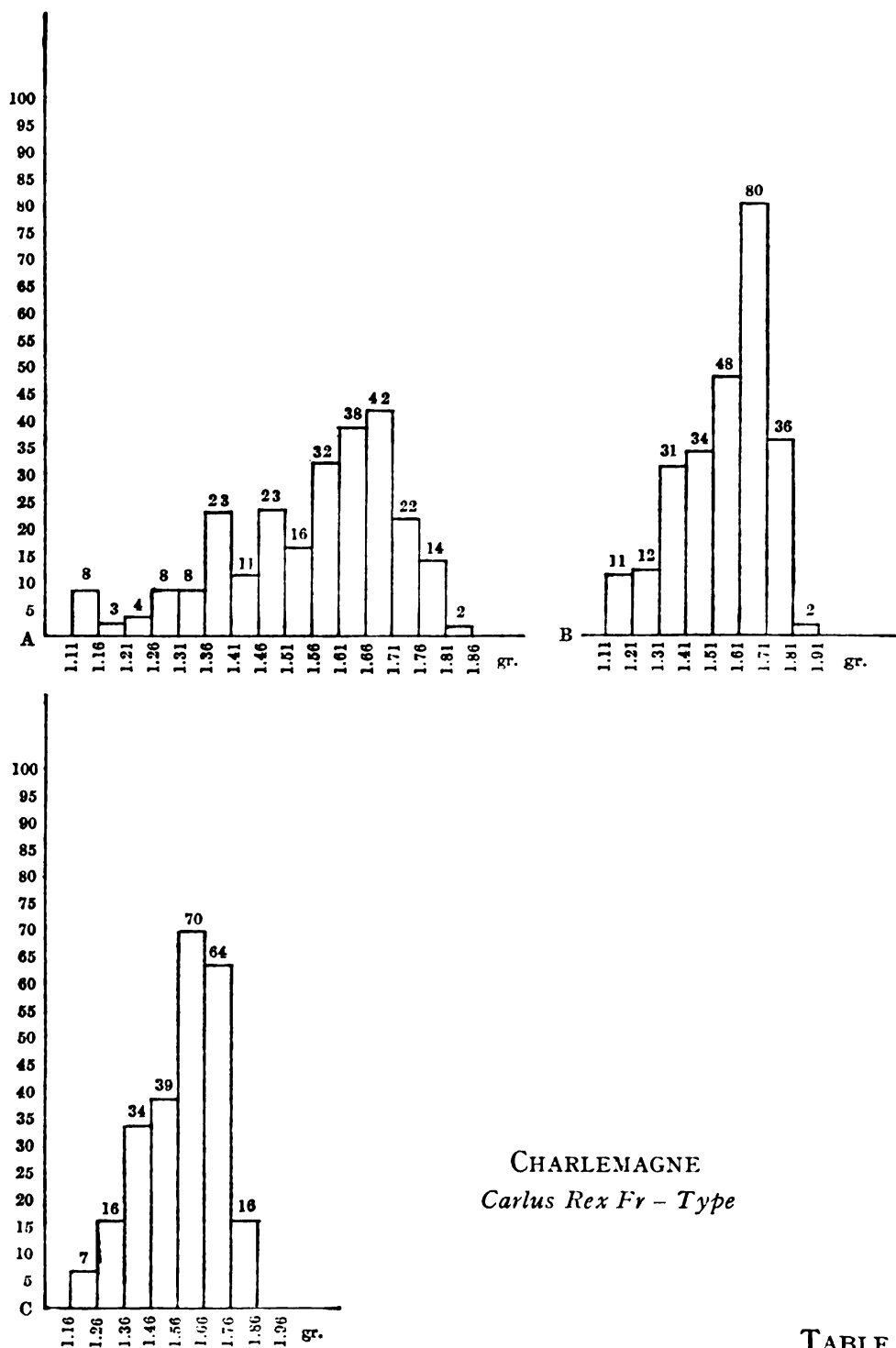
⁸⁷ S. Suchodolski, "Le Poids des monnaies de Charlemagne émises après la réforme," *Dona Numismatica* (Festschrift W. Hävernicks), eds. P. Berghaus and G. Hatz (Hamburg, 1965), pp. 43–50. On the practice of compensating for supposed weight losses through wear, as used by Dr. Suchodolski, see the reservations in P. Grierson, "Coin Wear and the Frequency Table," Presidential Address at the Annual Meeting of the Royal Numismatic Society, NC 1963, pp. i–xvi.

indicate a variety of peaks. For greater precision in ascertaining the modal weights, Dr. Suchodolski introduced the formula devised and first used by his compatriot, Zabiński:

$$MO = x_k + \frac{m_k - (m_k - 1)}{(m_k - m_k - 1) + (m_k - m_k + 1)} h, \text{ where } MO \text{ is the modal}$$

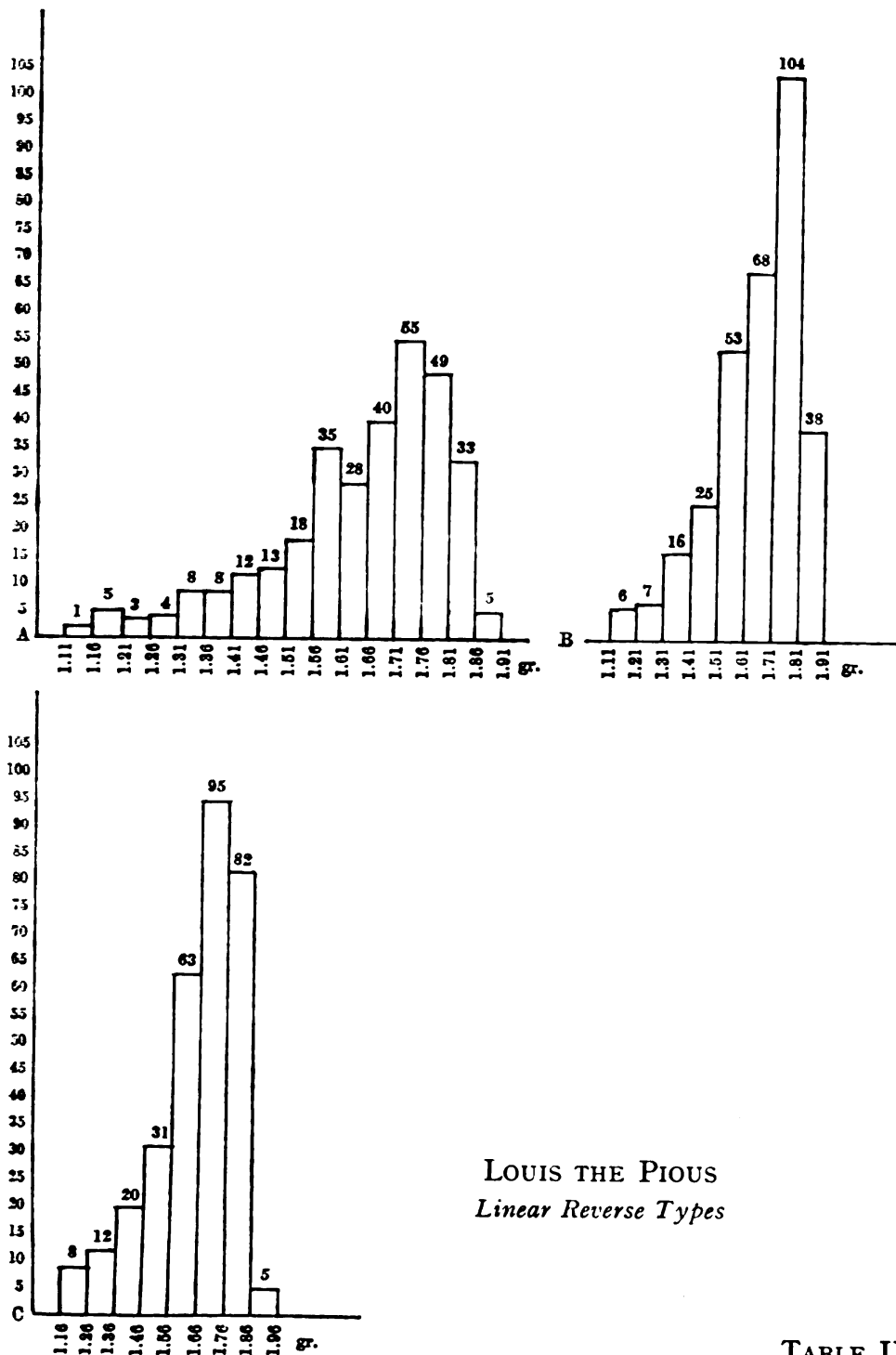
weight; x_k , the lower figure of the band showing peak frequency; m_k , the number of coins tallied in that band; $(m_k - 1)$, the number of coins tallied in the band just preceeding the peak band in the progression of the scale; $(m_k + 1)$, the number of coins tallied in the band immediately following the peak band; and h , the actual scale (e. g., 0.05 gr. or 0.10 gr.).

The contribution Dr. Suchodolski has made is in his emphasis on methodological precision and in his suggestion that the metrologies of different series issued by the same ruler might profitably be isolated from each other. Following his suggestion, we have dressed the following frequency charts for ninth-century series which survive in bulk large enough to be statistically instructive. Two charts, those for Charles the Simple (*Gratia* series) and an Emperor Charles (*Imperator Augustus* series), are suggestive, but not conculsive, because the number of available specimen coins is but marginally representative. In four charts (Lothaire I, Temple series; Charles the Bald, *Carolus Rex* and Temple series; and the issues of Louis II/III), the scale of 0.05 gr. has proven unsatisfactory because conducive to bimodalism or to a "plateau" instead of to one peak band; these difficulties did not appear on the scale of 0.10 gr. Three large series have not entered these computations because of their peculiar difficulties of attribution: the *Christiana Religio* series in the name of Louis the Pious, the *Dorestatus-Moneta*-Temple type in the name of Lothaire I, and the *Gratia-Dei-Rex* issue in the name of Charles, to the last of which we have devoted a separate chart.



CHARLEMAGNE
Carolus Rex Fr - Type

TABLE I



LOUIS THE PIOUS
Linear Reverse Types

TABLE II

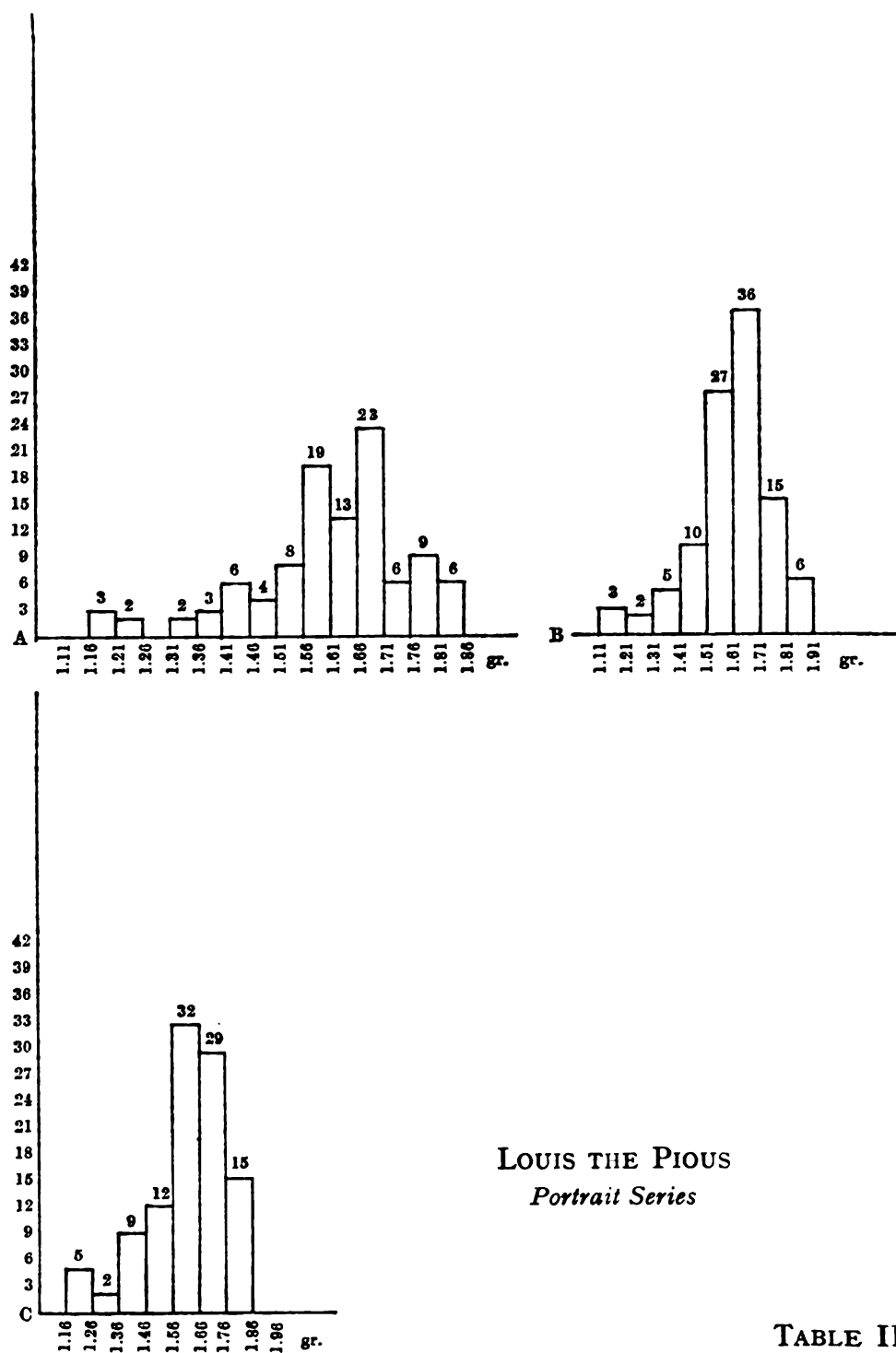
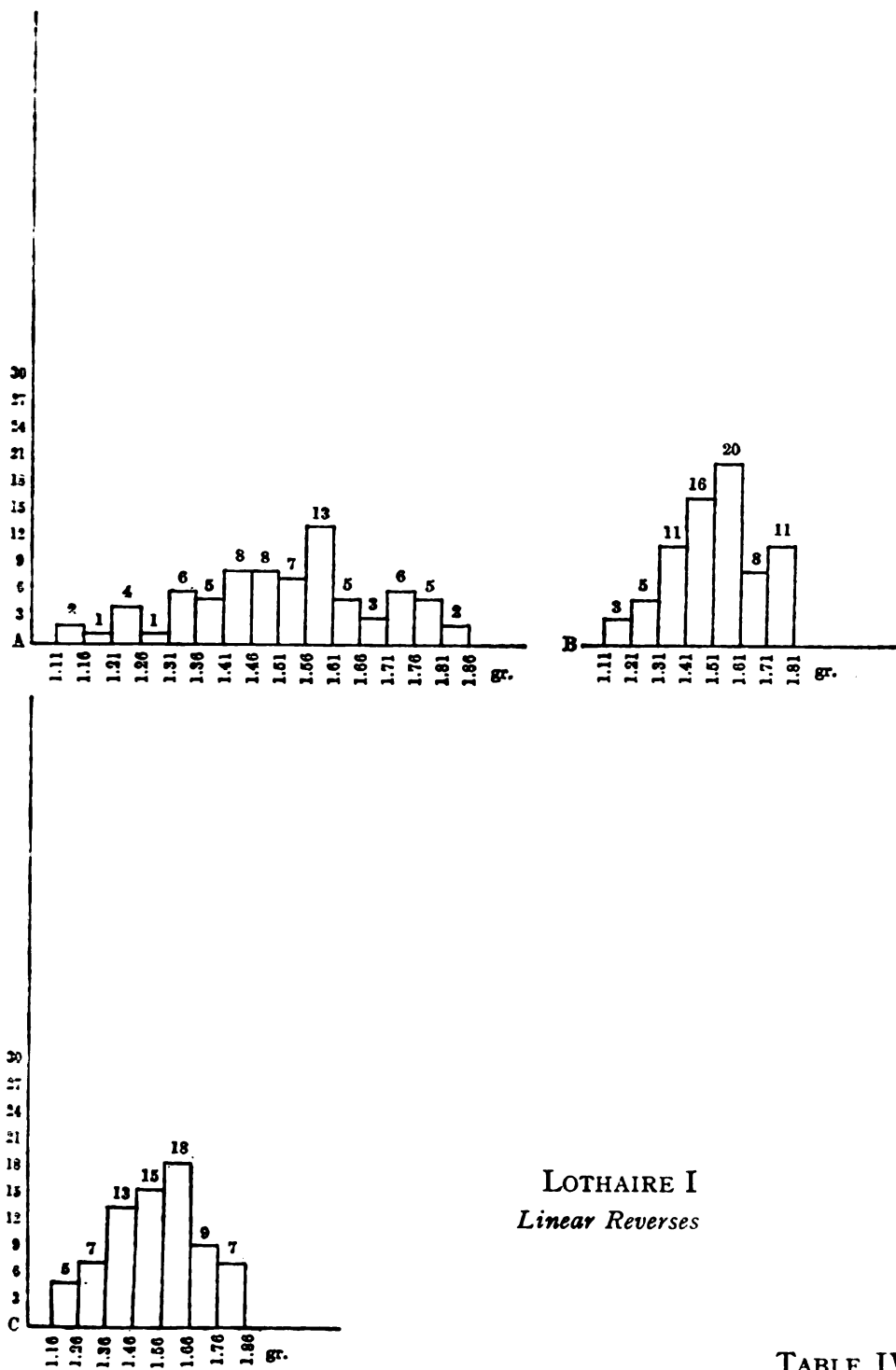


TABLE III



LOTHAIRE I
Linear Reverses

TABLE IV

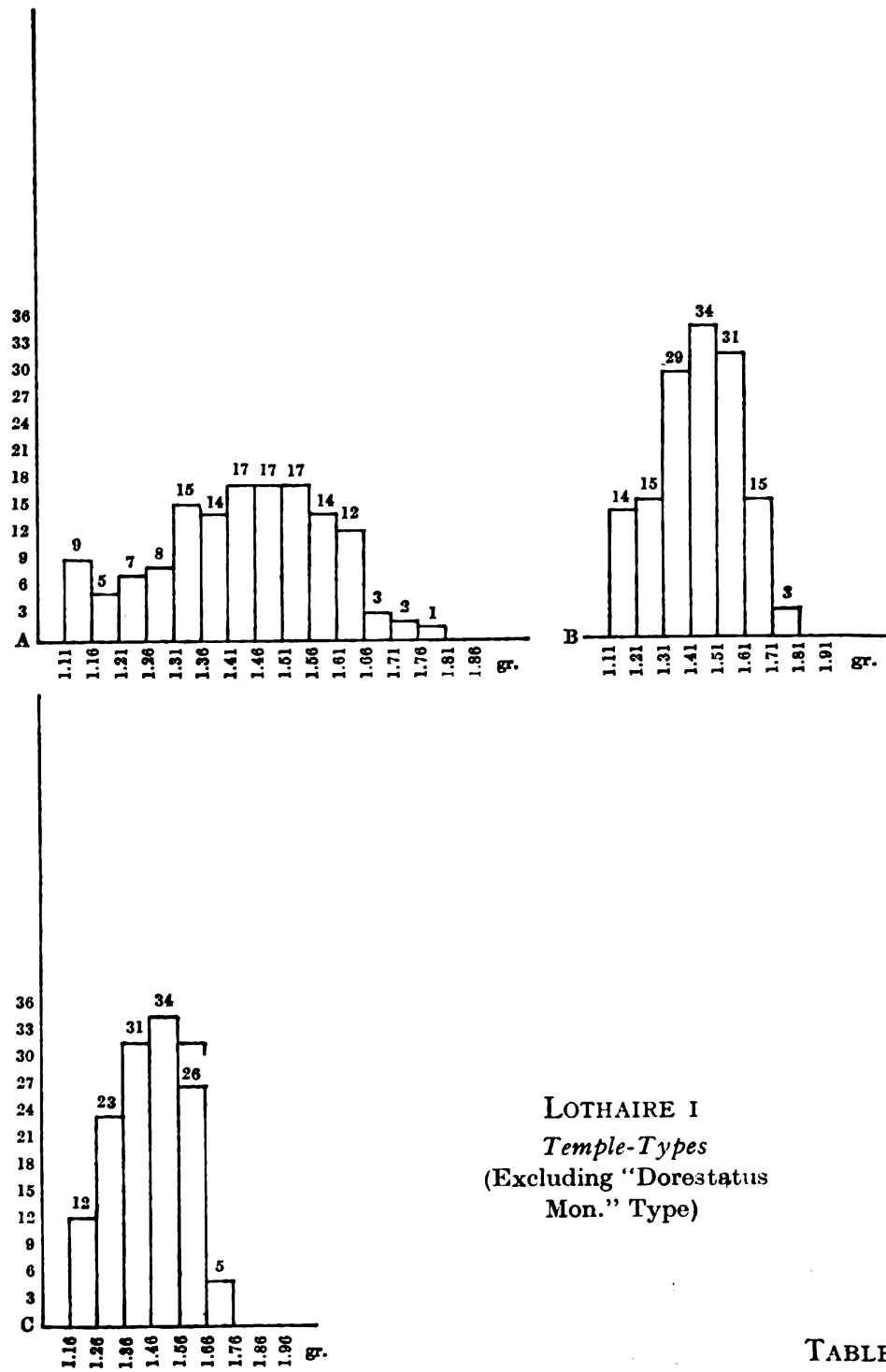
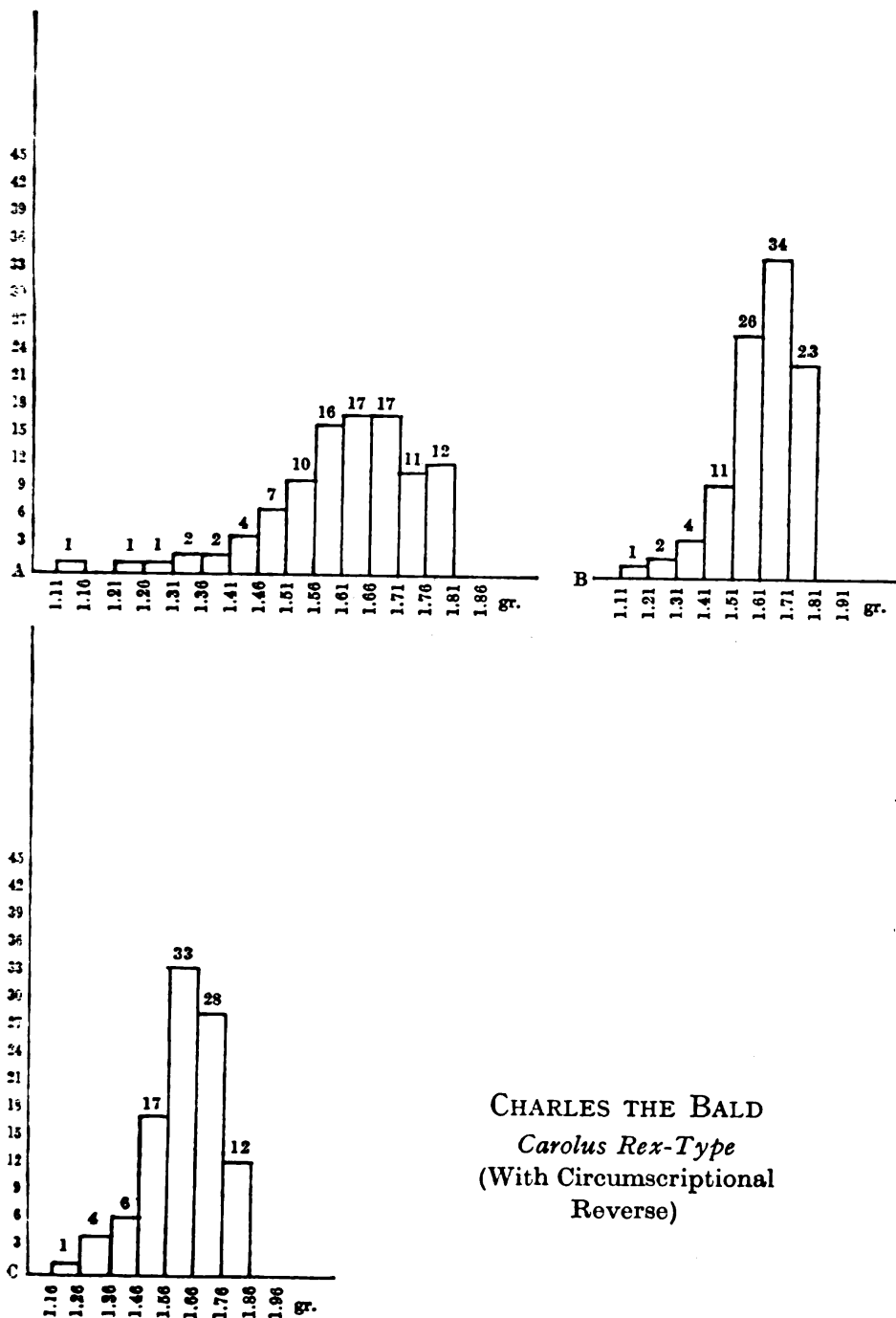
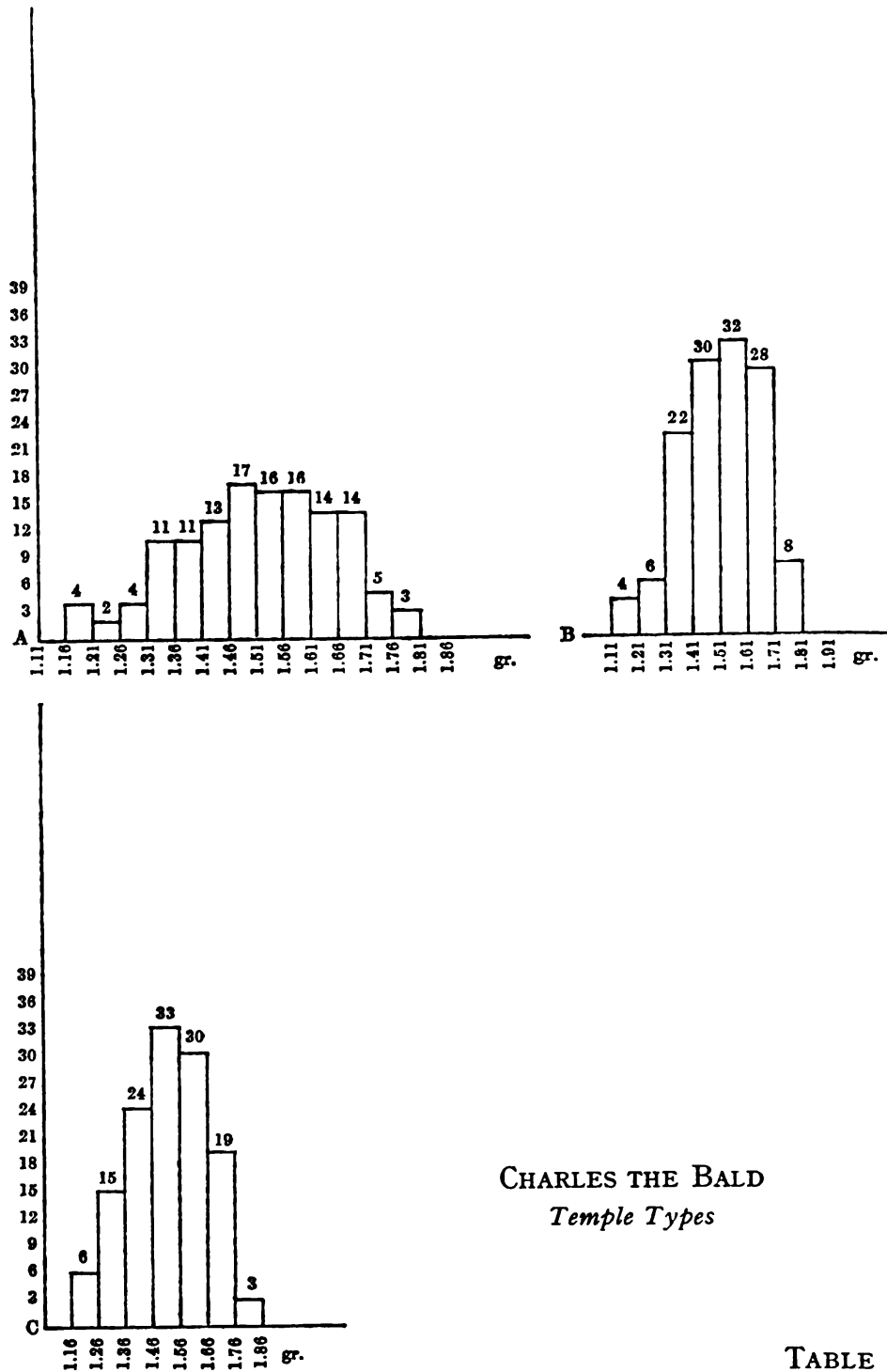


TABLE V



CHARLES THE BALD
Carolus Rex-Type
 (With Circumscriptional
 Reverse)

TABLE VI



CHARLES THE BALD
Temple Types

TABLE VII

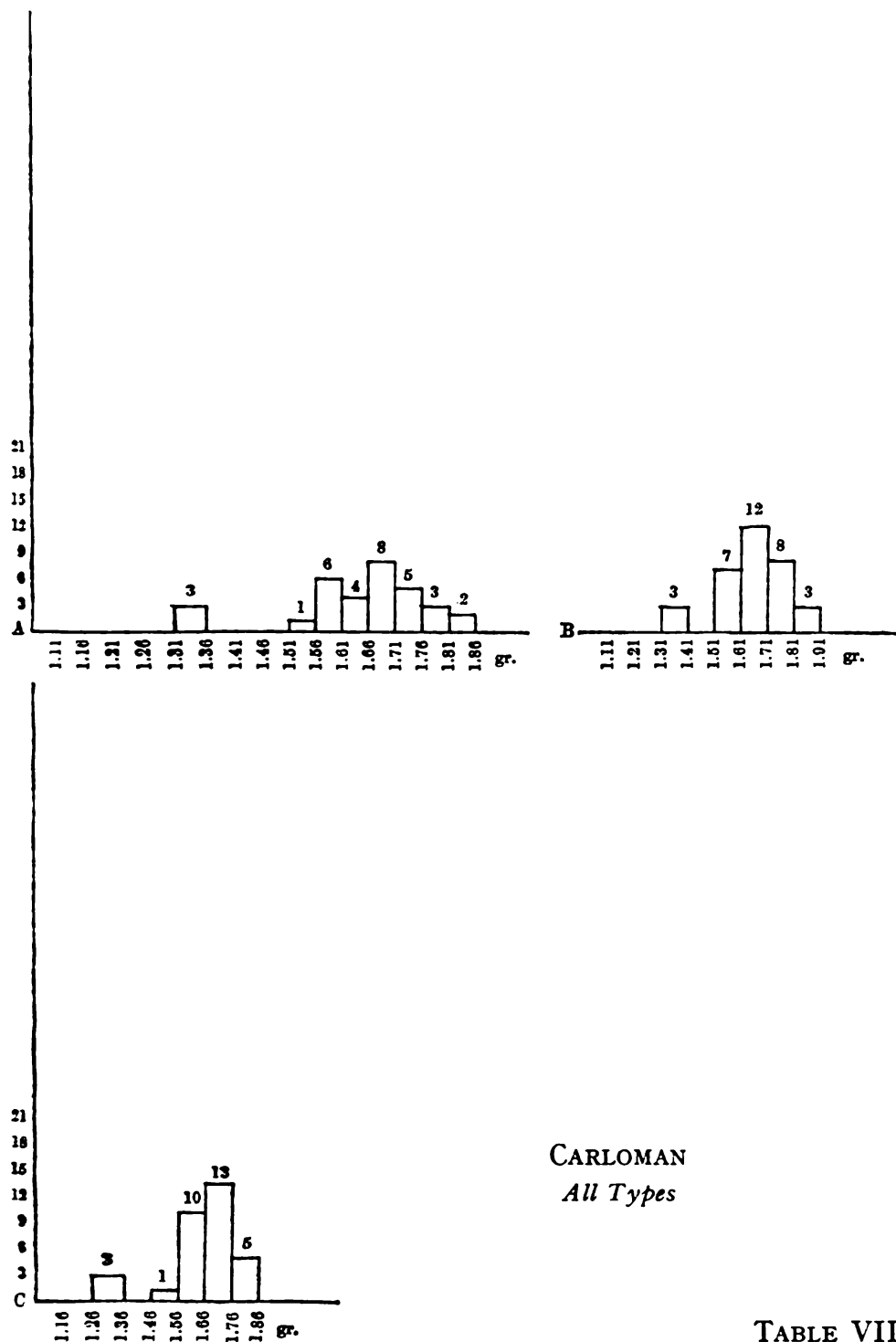


TABLE VIII

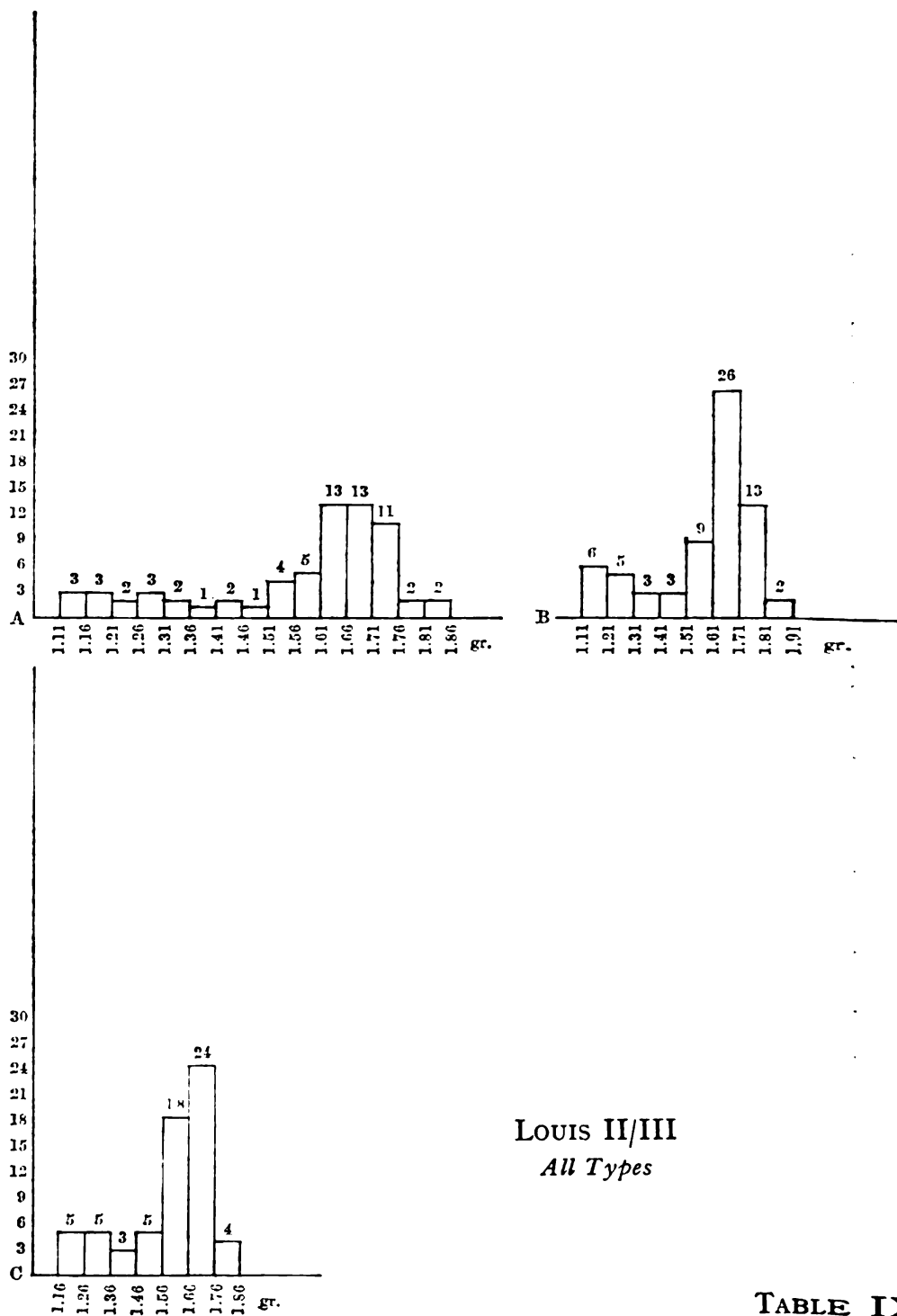


TABLE IX.

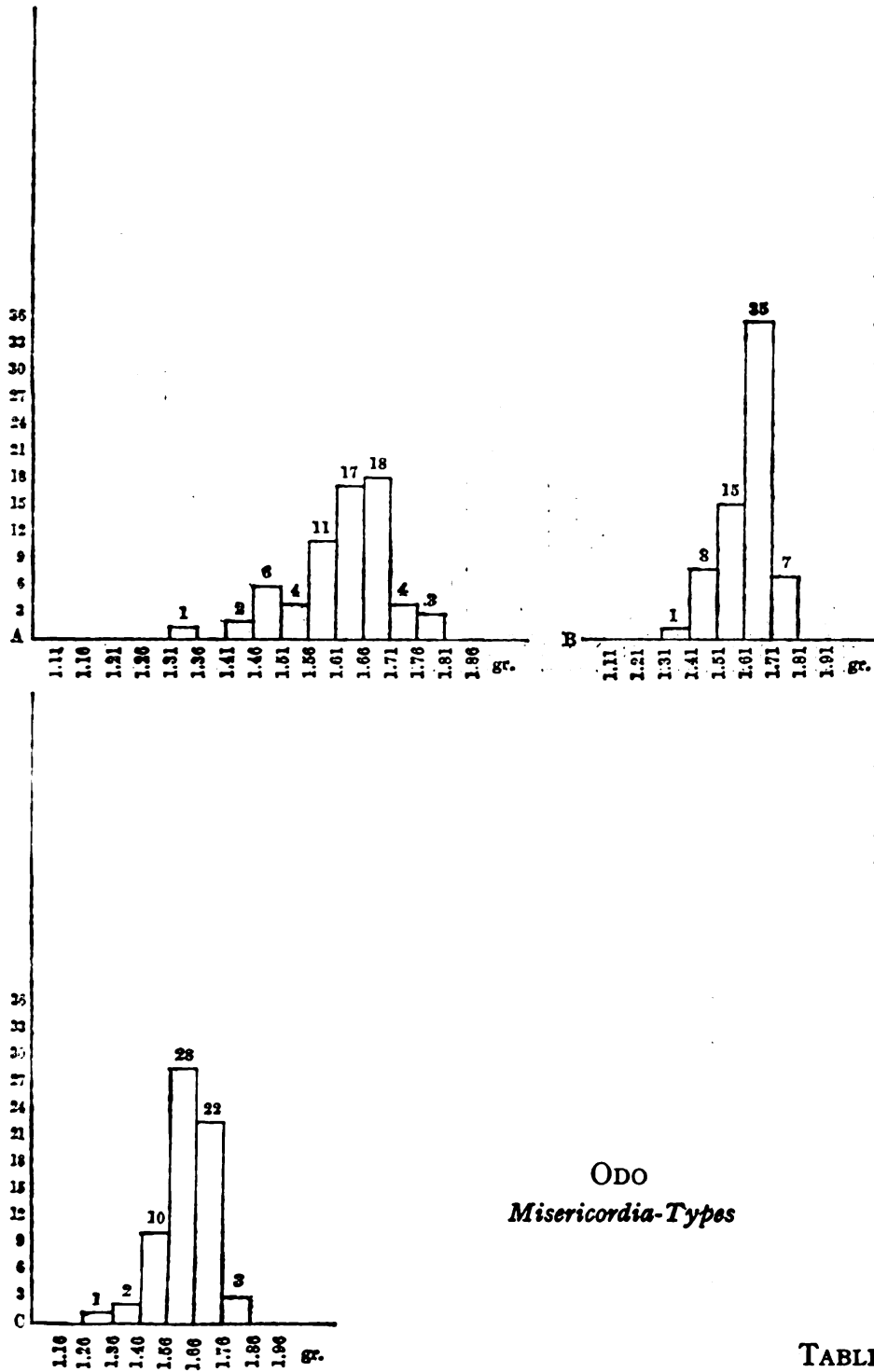
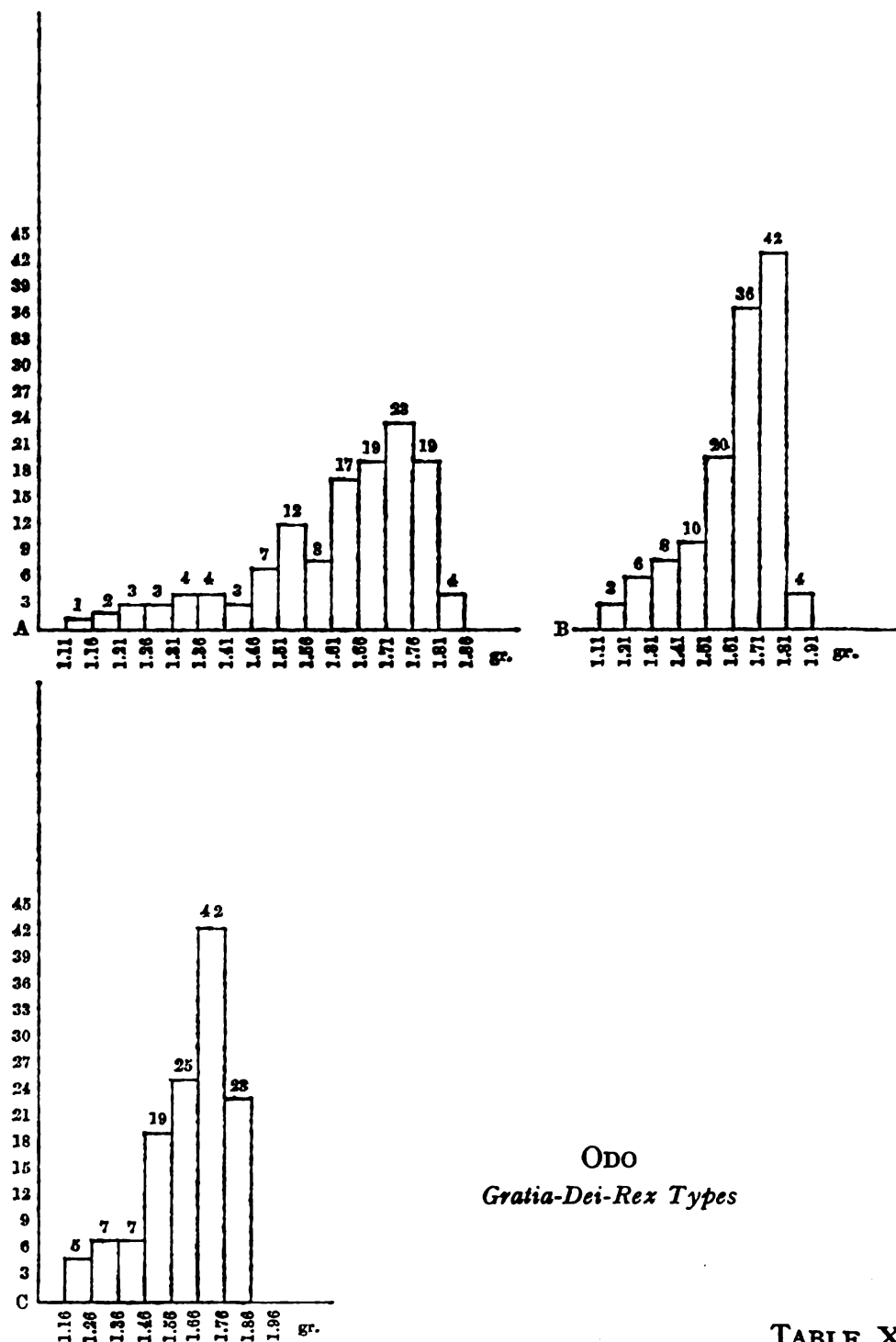
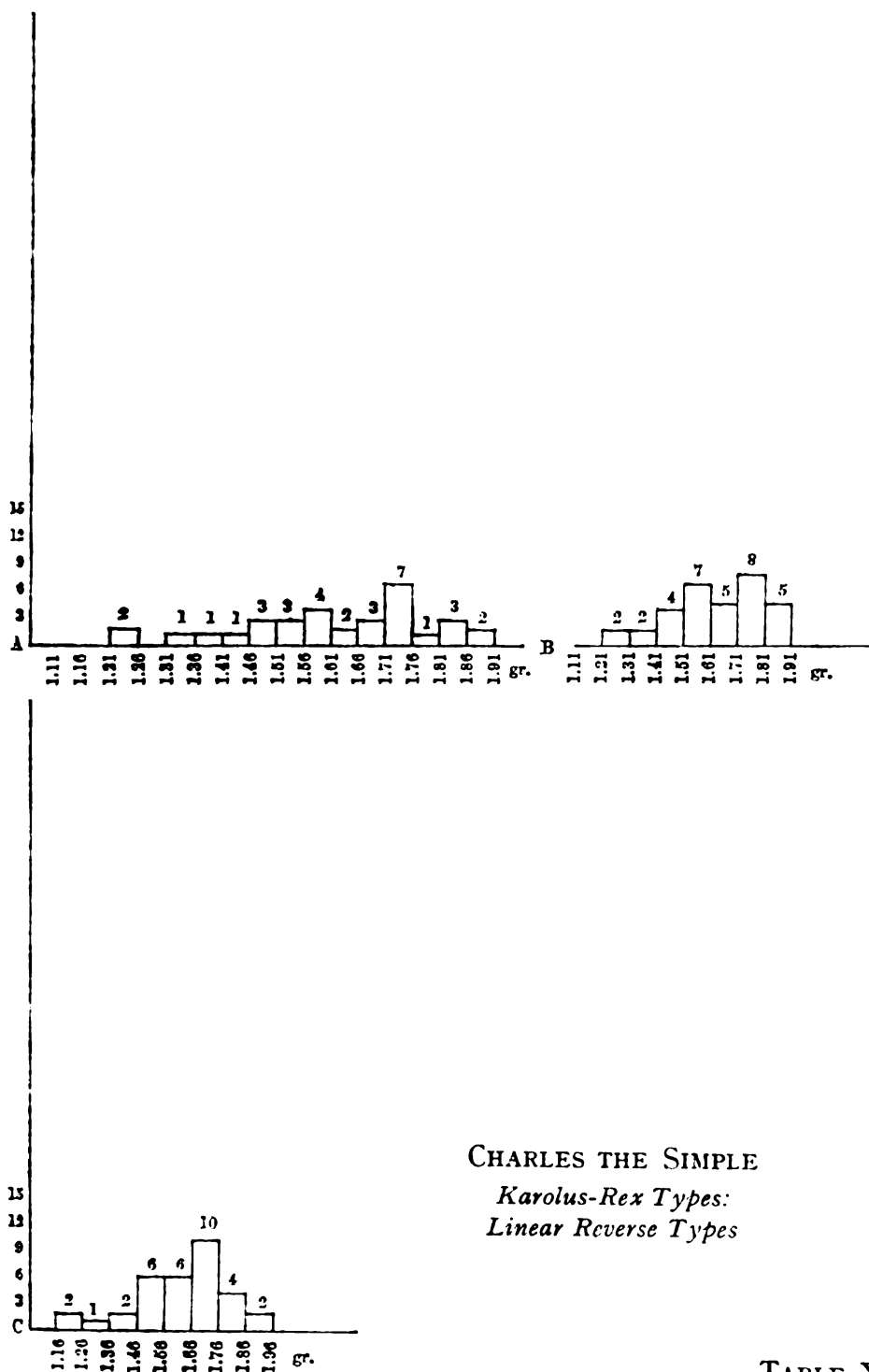


TABLE X



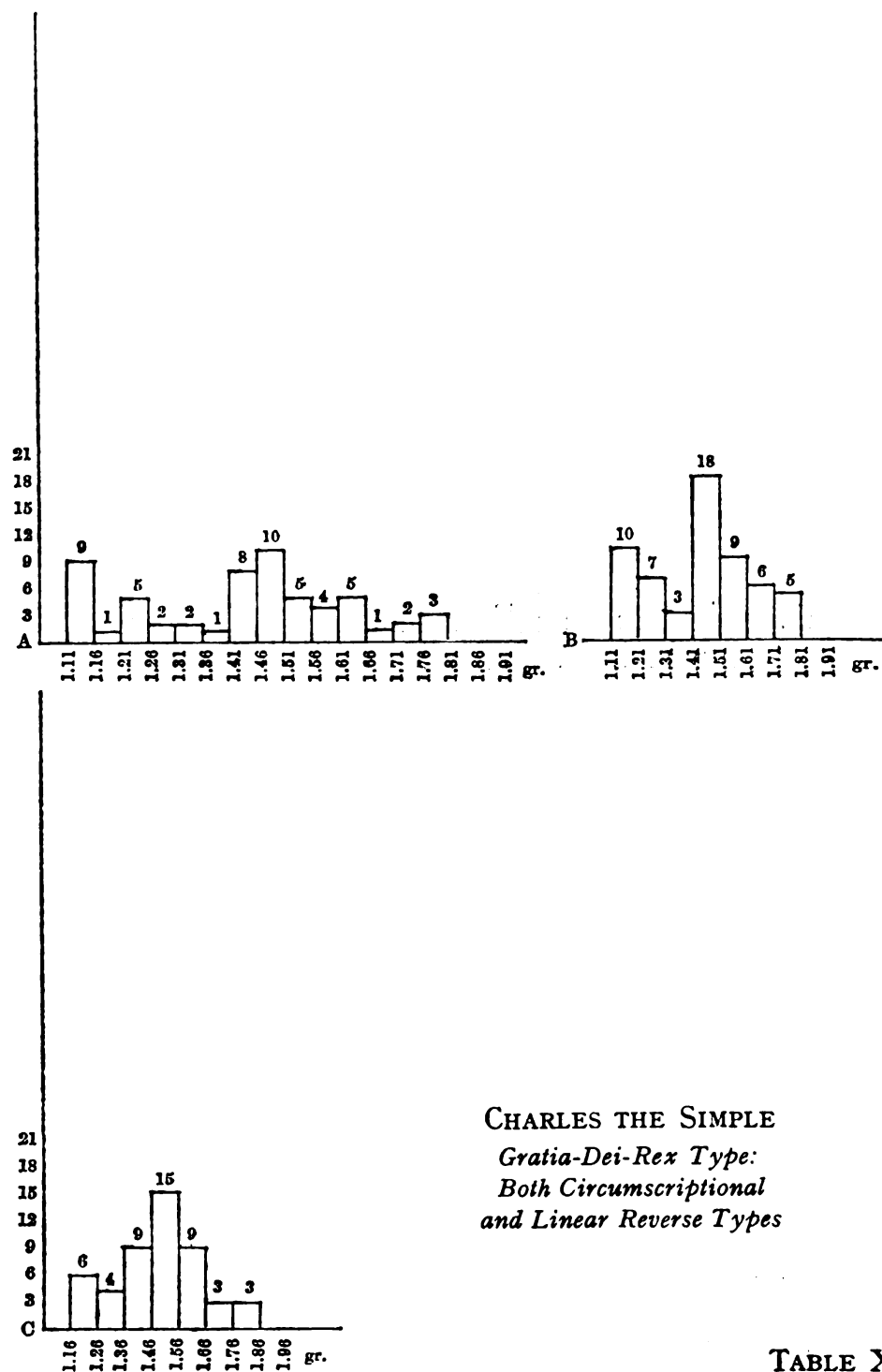
ODO
Gratia-Dei-Rex Types

TABLE XI



CHARLES THE SIMPLE
Karolus-Rex Types:
Linear Reverse Types

TABLE XII



CHARLES THE SIMPLE
Gratia-Dei-Rex Type:
Both Circumscriptional
and Linear Reverse Types

TABLE XIII

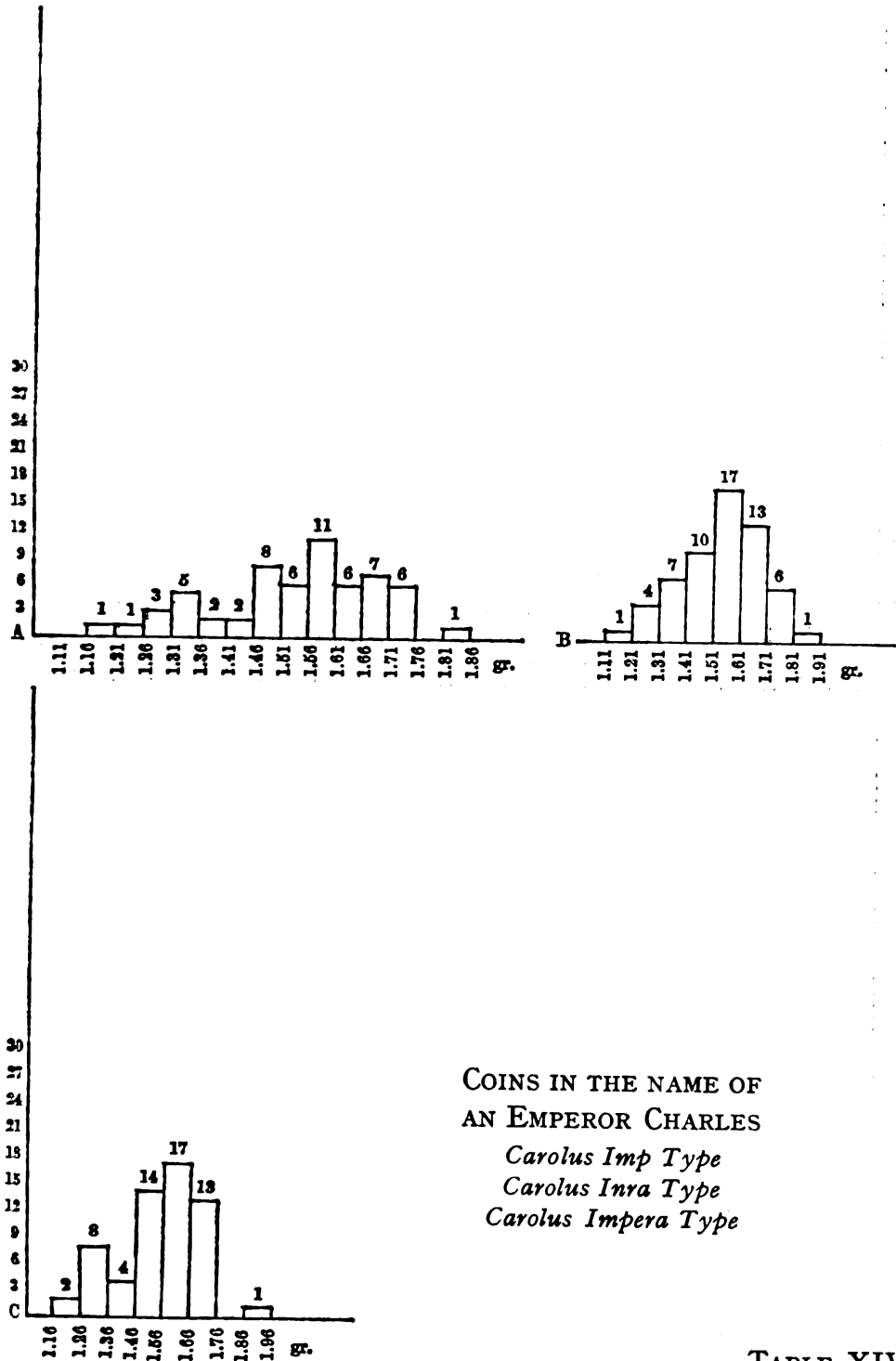


TABLE XIV

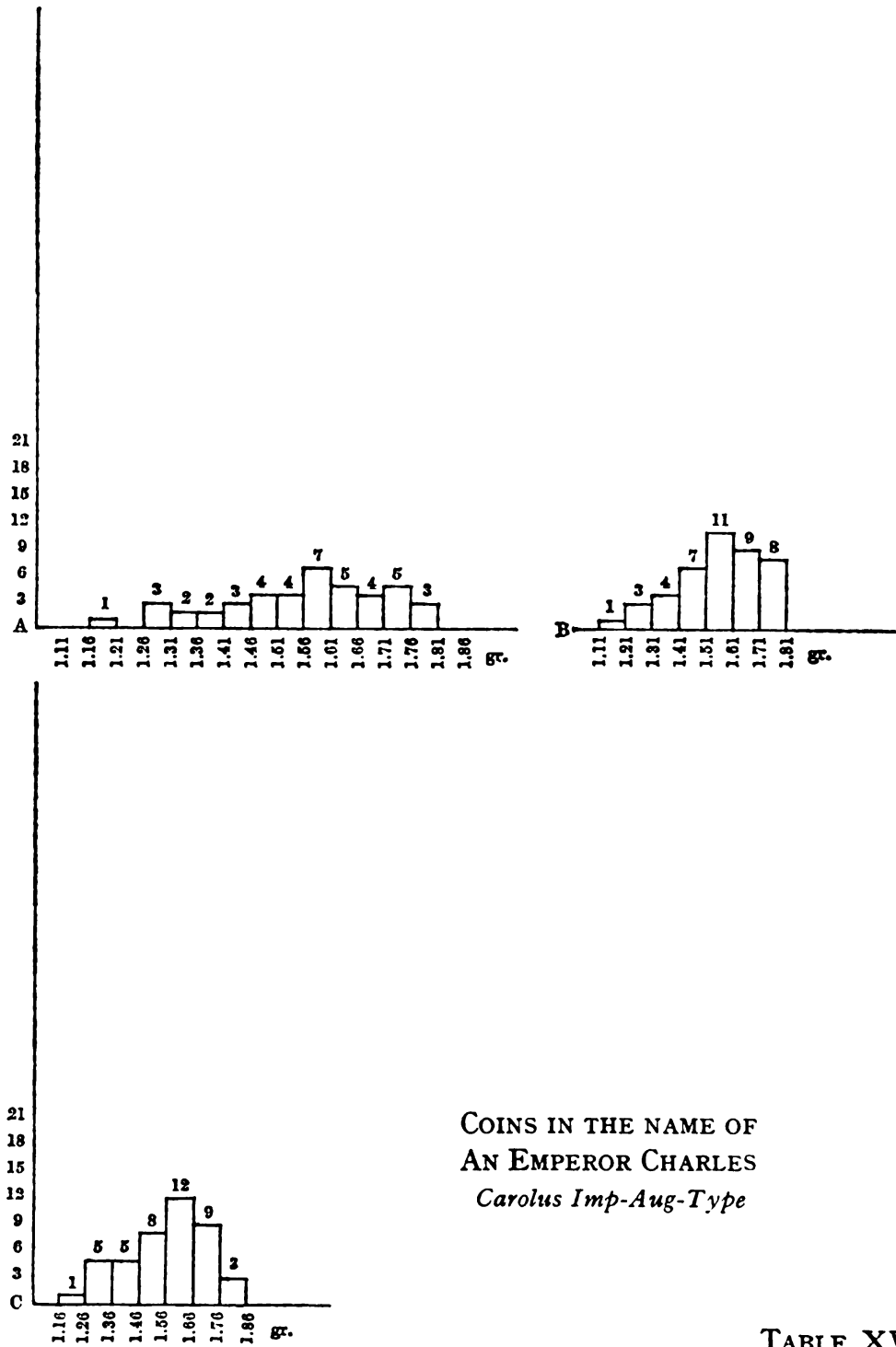


TABLE XV

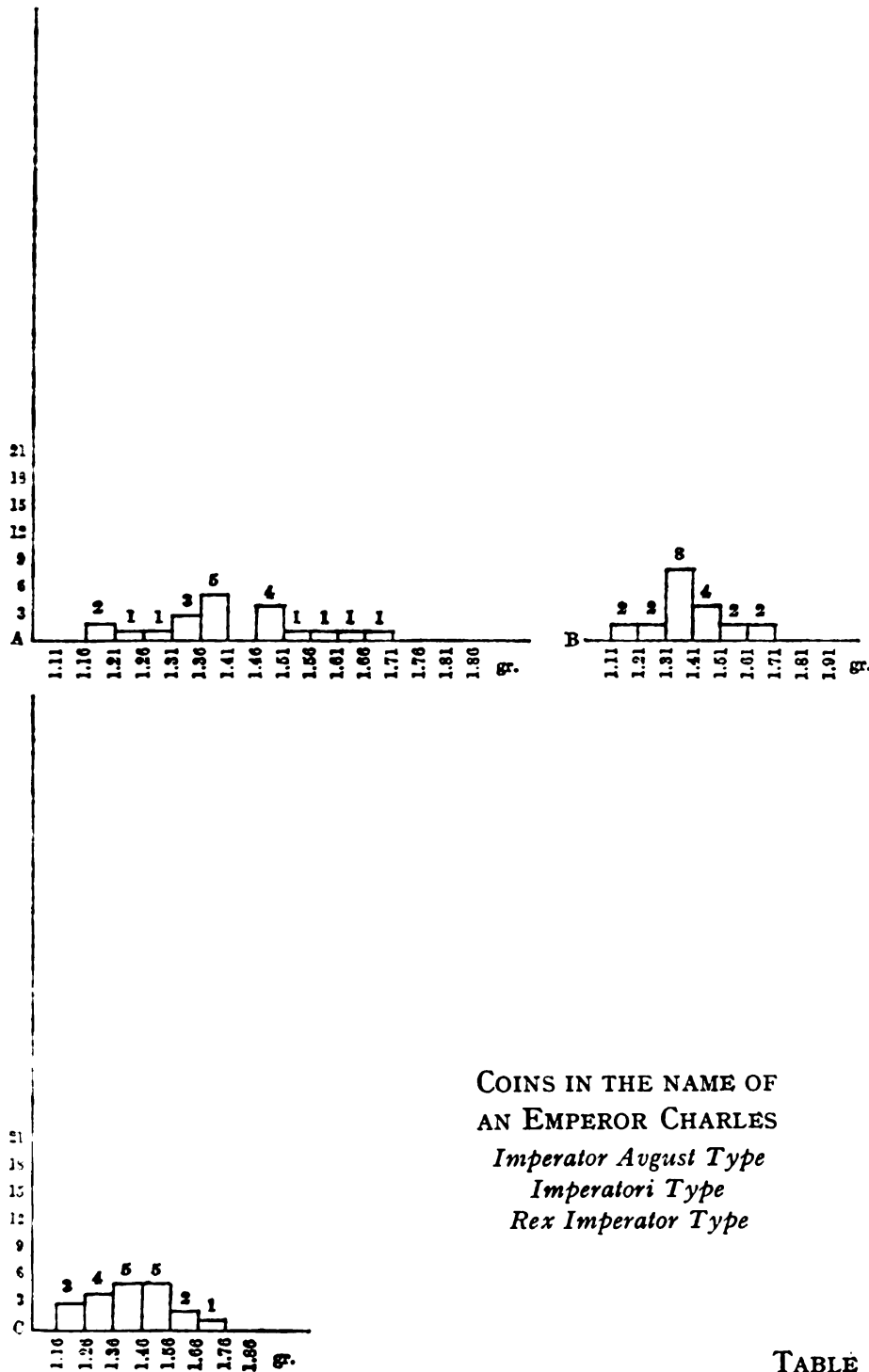


TABLE XVI

Carolingian Coinage

Gratia Dei Rex Types

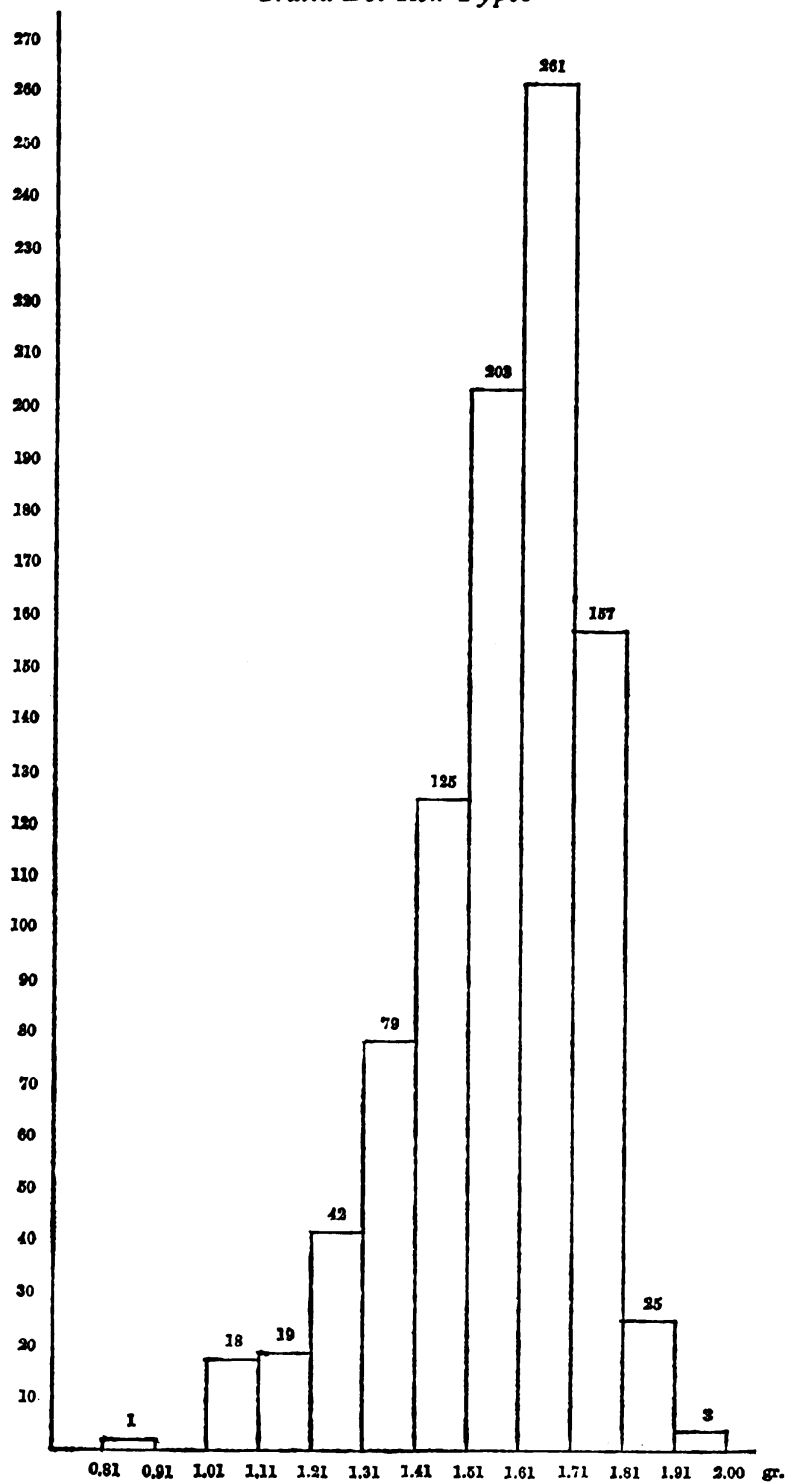


TABLE XVII

From these charts, the lines of historical development and the mathematical flexibility of the account pound indicated in our earlier remarks become eminently apparent. The reader will have noticed that the issues of Lothaire I and the temple-type of Charles the Bald, which one has good reason to suppose were struck late in the reign of their father or in the troubled years just after his death (see above, p. 5), show a marked reduction in weight from the standard of Charlemagne, and that the coinage of Louis the Pious himself, in the portrait series, shows a reduction in weight from Charlemagne's standard. Louis the Pious had, in his issues with the linear reverse, raised somewhat his father's limit, and the decrease in weight shown in his portrait series, in the linear reverse series of Lothaire I, and in the other issues of Lothaire I and of the temple-types of Charles the Bald can only be taken as reflecting the great adversities which darkened the last years of Louis's reign. The increase in weight by Odo, and the standards previously kept by Louis II and his sons, Carloman and Louis III, must be judged in connection with the standard of about 1.71 gr., indicated by the chart of *Gratia-Dei-Rex* types (Table XVII), many of which were doubtless struck under Charles the Bald after his reform of 864. They indicate the revival of trade and the re-establishment of civil order which Charles the Bald did achieve despite Varangian attacks, invasions by his brother, Louis the German, and the aggrandizement of an ambitious nobility. In this context, the break in the pattern of stability intruded by the apparent reduction of the standard by the "Emperor Charles" might well be taken as evidence that Charles the Fat was the author of the series in that style, for his reign was more troubled than Charles the Bald's, and his power less firmly established in the lands where these issues were struck. Moreover, Charles the Bald was emperor for only one year, and spent most of that time in Italy; Charles the Fat held the imperial title for six years, and spent much time in the lands represented by the "coins in the name of an Emperor Charles." But these circumstances do not warrant an unqualified attribution.

At any rate, the standard of 1.60 gr., on the evidence of the issues of Lothaire I and the Temple-types of Charles the Bald, seems to have been the line which divided normal issues from "emergency" issues

of reduced weight, and the tolerance of the account pound was apparently 0.15 gr. above that line and 0.15 gr. below it. As we have seen, Charlemagne's earliest coins were struck to a standard of about 1.30 gr., and it is reasonable to suppose that the lower tolerance of the pound he instituted about 790 could not have been extended much below 1.45 gr. without precipitating complete remonetization by wholly discrediting the exceptionally light issues and reviving the standard of the primitive series.

The upper limit achieved by applying the formula of reckoning modal weights (1.74 gr.) indicates the probable weight of the mint pound. Assuming that the original denominations continued to be struck under Louis the Pious and Odo, 240 denarii at 1.74 gr. each yield an account pound of 417.74 gr. Adding the weight of 2 solidi (24 denarii) to account for costs and profits of mintage, one establishes 459.36 gr. as the mint pound. Dieudonné in his work and I in a previous essay added the weight of only 12 denarii (1 solidus) to the account pound on the supposition that, though the decree of Pippin states that twenty-two solidi were struck to the pound, it also commands that the moneyer keep one of them and give 21 to "the lord." On reflection, I judge it far more reasonable to reckon to the mint pound the number of solidi actually struck from it.

The following table shows the range of variation in the weights of the account pounds, modal weights of denarii (as deduced by the formula Dr. Suchodolski transmits), ounces, and solidi, together with the weights in silver supposedly taken for costs and profits of mintage and the corresponding percentages. Though the number of ounces in the Carolingian pound has been disputed (e.g., Prou, p. xl, wrote that it consisted of 12 ounces), the schedule of levies stated in a capitulary of 780 (see p. 35, n. 84) suggests a pound of 15 ounces. It indicates that one solidus = $\frac{3}{4}$ ounce (or half of $1\frac{1}{2}$ ounces), and consequently that 20 solidi = 1 pound = 15 ounces. The figures in Table XVIII are based on this deduction.

TABLE XVIII

All weights are in grams.

ACCOUNT POUND	AVER- AGE WEIGHT OF THE MODAL STEP	RULER	TYPE AND CHART	OUNCE	SOLIDUS	WEIGHT LESS THAN MINT POUND (459.36 gr.)	% LESS THAN MINT POUND
417.74	1.74	Louis the Pious	<i>Linear B</i>	27.85	20.88	41.76	9.1%
415.00	1.73	Odo Louis the Pious	<i>Gratia A</i> <i>Linear A/C</i>	27.66	20.76	44.36	9.6%
408.00	1.71	Odo	<i>Gratia B</i>	27.20	20.40	51.00	11.1%
405.60	1.69	Carloman Louis II/III	<i>Gratia C</i> <i>A/C</i> <i>C</i>	27.00	20.28	53.76	11.7%
403.20	1.68	Louis the Pious	<i>Portrait A</i>	26.85	20.16	56.16	12.2%
400.80	1.67	Charle- magne Carloman Louis II/III	<i>A</i> <i>B</i> <i>B</i>	26.72	20.04	58.56	12.7%
398.40	1.66	Charle- magne Odo	<i>B</i> <i>Miseri- cordia A</i>	26.56	19.92	60.96	13.0%
396.00	1.65	Louis the Pious Charles the Bald Odo	<i>Portrait C</i> <i>Carolus Rex B</i> <i>Miseri- cordia B/C</i>	26.40	19.80	63.36	14.0%
395.60	1.64	Charle- magne	<i>C</i>	26.37	19.68	64.76	14.5%

ACCOUNT POUND	AVER- AGE WEIGHT OF THE MODAL STEP	RULER	TYPE AND CHART	OUNCE	SOLIDUS	WEIGHT LESS THAN MINT POUND (459.36 gr.)	%, LESS THAN MINT POUND
384.00	1.60	Louis the Pious Charles the Bald Emperor Charles	<i>Portrait B</i> <i>Carolus Rex C</i> <i>Carolus Imp. C</i> <i>Carolus Imp. Avg. C</i>	25.60	19.20	75.36	16.4%
381.60	1.59	Lothaire I	<i>Linear C</i>	25.44	19.08	77.76	16.9%
379.20	1.58	Lothaire I Charles the Bald Emperor Charles	<i>Linear A</i> <i>Temple B</i> <i>Carolus Imp. B</i> <i>Carolus Imp. Avg B</i>	25.28	18.96	80.16	17.4%
369.60	1.54	Lothaire I Charles the Bald	<i>Linear B</i> <i>Temple C</i>	24.64	18.48	89.76	19.5%
361.40	1.51	Lothaire I	<i>Temple C</i>	24.08	18.07	97.96	21.0%
357.60	1.49	Charles the Simple	<i>Gratia C</i>	23.84	17.88	101.76	22.1%
352.80	1.47	Lothaire I	<i>Temple B</i>	23.52	17.64	106.96	23.2%
328.80	1.37	Emperor Charles	<i>Imp. Avg. B</i>	21.92	16.44	130.56	28.3%

Mint Pound: 459.36 (264 denarii at 1.74 gr.)

Mint Ounce: 30.62 gr.

Mint Solidus: 20.88 gr.

In surveying these figures, or indeed any aspects of Carolingian metrology, one must remember that mediaeval methods of computation were not so accurate as are modern scales and formulas. The differences in modal weights which our frequency charts show for individual issues are not on the whole matters of great concern. Charlemagne's moneyers would quite possibly have been unaware of the fact if particular issues had varied, on the scale of difference in our charts, by 0.03 gr. per coin, or even by 3.00 gr. per pound. But the greatest variation—0.05 gr. per coin, and 12.00 gr. per pound, in the charts for the linear-reverse series of Lothaire I (a difference of 2% in the costs and profits of mintage)—is sufficient to remind the numismatist that, in analyzing Carolingian metrology, his own calculations can only approximate the proportions as they were; and the variations in the weight of the denarius during the ninth century provide a further warning against dogmatic precision by showing that the metrology of the account pound was in constant change. Only with these limitations in mind can we describe the fluctuations in the account pound from the time Charlemagne instituted his reforms until the disorders of the early tenth century threatened to overturn the Carolingian monetary system and the dynasty together, fluctuations which reflect as exactly as the words of chroniclers the variable fortunes of the later Carolingians.

One form of evidence remains to be mentioned: the extant monetary weights. Five such pieces are known. The lightest of them (35 gr.) was discovered in St. Quentin early in the twentieth century. Three others, weighing 283.65 gr., 226.01 gr., and 70.535 gr., preserved at the Rijksmuseum van Oudheiden, at Leiden, were discovered in the mid-nineteenth century in excavations at Dorestadt,⁸⁸

⁸⁸ L. J. F. Janssen in *Oudheidkundige mededelingen* (1842), pp. 49 ff., with plate; J. H. Holwerda, "Opgravingen von Dorestad," *Oudheidkundige Mededeelingen uit het Rijksmuseum van Oudheiden te Leiden*, 11 (1930), pp. 83 f., with photograph (no weights given). With extraordinary kindness, Dr. G. van der Meer, of the Koninklijk Kabinet van Munten, The Hague, discovered the location of the Leiden weights, which were reweighed at the Rijksmuseum van Oudheiden. Their description is as follows: Inv. W. D. 780, with stamp of *Christiana Religio*, diameter 5–5.3 cm., weight 283.65 gr. Inv. W. D. 781, with stamp of Frankish denier with legend *PARIS/II*, diameter 4.7–4.9 cm., weight 226.01 gr. Inv. W. D. 782, with stamp of Louis the Pious and *Christiana Religio*, diameter 3.4 cm., weight 70.535 gr. In his "Die Duursteder Karolinger-

and still another, also discovered at Dorestadt, weighing 174.42 gr., is kept in the Bibliothèque Royale (Cabinet des Médailles) in Brussels.⁸⁹ That these objects were in fact monetary weights, and not "trial pieces in lead" for regular mint issues, is indicated by their similarity in form to other contemporary weights,⁹⁰ especially by their similarity to the "Alfred weight," an English lead block which, like them, was stamped with monetary types.⁹¹

The interpretation of this evidence is extremely problematical, due both to the physical deterioration which the weights have suffered, and to the fluctuations in the account pound which we have described. Indeed, we must conclude with Hilliger that any correlation of these pieces within a precise metrological system is impossible.

Charlemagne's mint pound (ca. 459.36 gr.) remained constant throughout the ninth century, but as indicated, this pound of account (ca. 400.00 gr.) experienced several wide variations. In another place, we have discussed the historical evidence which we

gewichte und der Ursprung des mittelalterlichen Pfundes," *Blätter für Münzfreunde*, 62 (1927), pp. 161-167, B. Hilliger rendered the weights 284 gr., 226 gr., and 70.5 gr. but Luschin gave them as 184 gr., 183.5 gr., and 126 gr. In his initial publication, Janssen stated them as being 285 gr., 227 gr., and 177 gr. The last figure must have been an inadvertent error.

⁸⁹ Prou, *op. cit.*, p. xl. M. M. Thirion, of the Bibliothèque Royale de Belgique, with his usual courtesy, discovered at my request that the Brussels weight is one of those published by Janssen, *op. cit.* He also sent the following description of the piece, the preservation of which is so poor as to thwart photography: It measures 56 mm. in diameter and stands 7.6 mm. high, except in the center, where a piece of lead fixed to the surface raises it to 9 mm.

⁹⁰ Cf. B. Kisch, "Weights and Scales in Medieval Scandinavia," *Journal of the History of Medicine and Allied Sciences*, 14 (1959) pp. 160-168. The evidence of Italian weights inscribed *Caroli Pondus* is, as Prou observed, so various and contradictory that it cannot be brought to bear directly upon problems of Carolingian metrology. They do not conform to a single weight system, and the inscriptions on some of them are patently later than the Carolingian, or even than the mediaeval, period. (See Prou, *Monnaies carolingiennes*, pp. xxxviii ff.). Through the kindness of the Bibliotheca apostolica Vaticana, I am able to add two pieces of this genre: No. 5559: Bronze weight, diam. 38.5 mm., height 11 mm., weight 109 gr. Circular inscription: +CAROLIPODVS [sic.]. No. 5560: Bronze weight, diam. 36 mm., height 5 mm., weight 40 gr. Circular inscription: + CAROLIPONDVS. I am indebted to Father Guy Ferrari and to Dr. Michelini Tocci, of the Vatican Library, for this data.

⁹¹ R. H. M. Dolley, "A Piedfort Lead Trial-piece of Edward the Confessor," *British Numismatic Journal*, 27 (1953), pp. 176f., pl. VI, no. 1.

think indicates that the fluctuations in the weight of the account pound during the ninth century and at the beginning of the tenth were prompted by the immediate policies, or by the financial needs of the Frankish kings, and not by variations in the value of precious metals on the world market. In particular, there is no evidence to support the thesis that Charlemagne's monetary reform and the changes in coin weight instituted by his successors resulted from fluctuations in the gold/silver ratio in the Arab world.⁹²

In view of the grave civil disorders and natural disasters of the ninth century, the stability maintained by the Carolingian monetary system is astounding. One would have been perfectly warranted in assuming, as some have done, that amidst such circumstances, the currency must have been devalued and debased, and that inflation must have been pronounced.⁹³ Numismatic evidence, however, indicates quite to the contrary that the mint pound, the general weight standards, and the metallic content of coins as instituted by Charlemagne were maintained by his successors for more than a century. To be sure, there were variations within that metrological system; but the system itself remained unchanged, and coins of nearly pure silver and good weight continued to be struck during the whole period, evidence that Charlemagne had indeed established at least in coinage that unity of the Frankish people toward which he strove.

CONCLUSIONS

From the numismatic remains of the Carolingian era, some positive information concerning monetary history can be deduced and especially concerning numismatic metrology. Deductions from numismatic evidence alone, however, are only as certain as are the dating and attribution of that evidence; and the whole body of written and archaeological materials available for ascribing ninth and tenth century numismatic remains to particular years and rulers is so slight that, in many instances, it leads only to general—or even to hypothetical—conclusions.

⁹² Bolin, *op. cit.*, pp. 250f.; K. F. Morrison, "Numismatics and Carolingian Trade: A Critique of the Evidence," *Speculum*, 38 (1963), pp. 403-432.

⁹³ Doehaerd, *op. cit.*, p. 18.

Among the major achievements of the Carolingian Renaissance, should surely be numbered the monetary system instituted by Charlemagne and continued by his successors; for, together with contemporary accomplishments in law, theology, belles-lettres, and the plastic arts, it enhanced the lustre of the Frankish state. Coins are as much monuments of this cultural revival as are illuminated manuscripts, the hymns of Theodulf, the compilation of Pseudo-Isidore, or the discourses of Alcuin and Rhabanus Maurus. And yet, they are monuments only: historians "wait for light but behold obscurity."⁹⁴

⁹⁴ Isaias 59:9.

THE CATALOGUE

KEY TO ABBREVIATIONS USED IN THE CATALOGUE

- Belli Coll. — Collection of Dr. Ludwig Belli, sold by S. Rosenberg, Frankfurt a.M., Nov. 1904.
- Berghaus — Peter Berghaus, "Die ostfriesischen Münzfunde," *Friesisches Jahrbuch* (1958), pp. 9–70.
- Bigot, *RN* 1855 — A. Bigot, "Notice sur quelques monnaies bretonnes inédites," *RN* 1855, pp. 38–45.
- Blaser-Frey — Sales Catalogue of Helga P. R. Blaser-Frey, Freiburg i. B. June 1963.
- Blunt, *BNJ* 1948 — C. E. Blunt, "Four Italian Coins Imitating Anglo-Saxon Types," *BNJ* 1948, pp. 282–285.
- BMS* — R. H. M. Dolley and K. F. Morrison, *Sylloge of Carolingian Coins in the British Museum* (London, 1965).
- Bordeaux, *RBN* 1893 — P. Bordeaux, "Les monnaies de Trèves pendant la période carolingienne," *RBN* 1893, pp. 279–343.
- Bordeaux Coll. — Bordeaux Collection sold at Hôtel Drouot, April 26, 1926.
- Bourgey — Sales Catalogue of Emile Bourgey, Paris. Dec. 1964.
- Bourquelot, *RN* 1838 — F. Bourquelot, "Monnoies de Provins," *RN* 1838, pp. 35–46.
- Bretagne, *RN* 1854 — A. Bretagne, "Denier frappé à Laon par Charles-de-Lorraine, comme roi de France 987–990," *RN* 1854, pp. 61–66.
- Cahn — Sales Catalogue of A. E. Cahn, Frankfurt a.M.
 April 1899 (*H. Grote Collection*).
 June 1903 (*H. Dannenberg Collection*).
 April 1912 (*Th. Kirsch Collection*).
 March 1913 (*Freiherr v. B. in D. Collection*).
 April 1921 (*Duplicates of the Fürstenberg Cabinet at Donaueschingen*).
 Sept. 1921 (*Duplicates of the Coin Cabinet at Darmstadt*).
 Dec. 1922.
 Oct. 1924 (*F. Friedensburg Collection*).
 March 1926 (*Bowie, Philadelphia Collection*).
 Oct. 1926 (*Duplicates of the Germanic Museum at Nuremberg*).
 April 1929 (*Fürstenberg Cabinet at Donaueschingen*).
 Oct. 1929 (*Fürstenberg Cabinet at Donaueschingen*).
 Feb. 1931 (*Fürstenberg Cabinet at Donaueschingen*).
 Sept. 1932 (*Fürstenberg Cabinet at Donaueschingen*).
 Dec. 1932 (*De Saulcy Collection*).
 Feb. 1935 (*W. Pieper Collection*).
 Fixed Price List No. 15: May 1897.
 Fixed Price List No. 20: Jan. 1906.
 Fixed Price List No. 26: May 1914.
 Fixed Price List No. 31: 1934.

- Cappe — Heinrich Philipp Cappe, *Die Münzen der deutschen Kaiser und Könige* (Dresden, 1848–1857).
- Carpentin, *RN* 1860 — A. Carpentin, "Quelques monnaies rares ou inédites de la bibliothèque de Marseille," *RN* 1860, pp. 43–56.
- Cartier, *RN* 1837 — E. Cartier, "Monnoies de Carloman et de Charles-le-Gros," *RN* 1837, pp. 334–346.
- *RN* 1846 — "Recherches sur les monnaies au type chartrain, Appendice," *RN* 1846, pp. 107–130.
- Chalon, *RBN* 1861 — R. Chalon, "Denier de Charles le Chauve, frappé à Famars," *RBN* 1861, pp. 237–241.
- Ciani — Sales Catalogue of L. Ciani, Paris.
Fixed Price List No. 399: June 1934.
- CNI — *Corpus Nummorum Italicorum*.
- Combrouse — Guillaume Combrouse, *Catalogue Raisonné des Monnaies Nationales de France* (Paris, 1839).
- Cuypers, *RBN* 1853 — Prosper Cuypers, "Une monnaie mérovingienne frappée à Anvers," *RBN* 1853, pp. 353–356.
- De Barthélemy, *RN* 1861 — A. de Barthélemy, *Monnaies des comtes de Tonnerre*, *RN* 1861, pp. 366–377.
- De Coster, *RBN* 1852 — L. de Coster, "Restitution de quelques monnaies à Charlemagne," *RBN* 1852, pp. 369–403.
- *RBN* 1855 — "Nouvelles considérations sur des monnaies restituées à Charlemagne," *RBN* 1855, pp. 1–21.
- *RBN* 1857 — "Explications faisant suite aux précédentes notices sur l'attribution à Charlemagne de quelques types monétaires," *RBN* 1857, pp. 30–54.
- *RBN* 1859 — "Considérations à propos de quelques deniers inédits de Pepin le Bref et de Charlemagne," *RBN* 1859, pp. 210–238.
- De Ferrari Coll. — Philippe de Ferrari la Renotière Collection, Paris.
- Deglatigny Coll. — Louis Deglatigny Collection sold at the Hôtel Drouot, Paris, Nov. 1937.
- De Jonghe Coll. — Collection of J. P. T. de Jonghe, sold in Brussels, 1860.
- De la Saussaye, *RN* 1837 — Louis de la Saussaye, "Médailles gauloises en cuivre quise trouvent habituellement à Soings et à Gièvres," *RN* 1837, pp. 241–250.
- De Longpérier, *RN* 1840 — A. de Longpérier, "Recherches sur les monnoies de Meaux," *RN* 1840, pp. 128–153.
- *RN* 1856 — "Quelques deniers de Pépin, de Carloman et de Charlemagne," *RN* 1856, pp. 180–189.
- *RN* 1857 — "Monnaies épiscopales de Strasbourg et de Constance," *RN* 1857, pp. 319–345.
- *RN* 1868 — "Vente de la collection de M. C. T. Dassy," *RN* 1868, pp. 485–490.
- De Roucy Coll. — Collection of de Roucy sold at Hôtel Drouot, Paris, Nov. 1920.
- Dieudonné, *RN* 1915 — A. Dieudonné, "Acquisitions du Cabinet des Médailles: Monnaies carolingiennes," *RN* 1915, pp. 211–242.
- Dolley-Morrison, "Finds" — R. H. M. Dolley and K. F. Morrison, "Finds of Carolingian coins from Great Britain and Ireland," *BNJ* 1964, pp. 75–87.

;

- Duchalais, *RN* 1839 — A. Duchalais, "Attribution à Baugency d'une monnaie carolingienne inédite," *RN* 1839, pp. 204-208.
- Du Lac Coll. — J. Du Lac Collection sold at Hôtel Drouot, Paris, June 1910 (second part, *Monnaies Françaises*).
- Engel and Lehr — A. Engel and E. Lehr, *Numismatique de l'Alsace* (Paris, 1887).
- Engel and Serrure — A. Engel and R. Serrure, *Traité de numismatique du moyen âge*, 3 vols. (Paris, 1891-1905).
- Fillon, *RN* 1844 — B. Fillon, "Monnaies inédites de Saint-Martin de Tours," *RN* 1844, pp. 271-277.
- *Lettres à Dugast Matifeux sur quelques monnaies françaises inédites* (Paris, 1853).
- Florange — Sales Catalogue of Jules Florange, Paris.
Fixed Price List Sept. 1958.
Fixed Price List Sept. 1959.
- Fougères, *RN* 1839 — F. Fougères, "Monnaies inédites de la seconde race," *RN* 1839, pp. 94-103.
- Frankfurter Münzhandl. — Sales Catalogue of Frankfurter Münzhandlung, Frankfurt a.M.
Jan. 1957.
April 1960.
Sept. 1961.
- Frère — Hubert Frère, "Monnaies frappées à Liège et à Avroy," *RBN* 1963, pp. 37-73.
- Gaettens — Sales Catalogue of R. Gaettens, Jr., Heidelberg.
Dec. 1955.
- Gans-Grunthal — Sales Catalogue of Henry Grunthal and Numismatic Fine Arts.
June 1950 (*R. Melchior Collection*).
April 1951.
- Gariel — E. Gariel, *Les monnaies Royales de France sous la Race Carolingienne*, I-III (Strasbourg, 1883-84).
— *Annuaire* — "Description de quelques monnaies se rattachant à la numismatique française," *Annuaire de la Société de numismatique* (1867), pp. 137-145.
- Gariel Coll. — Gariel Collection sold at the Hôtel des Commissaires-Priseurs, April 1885.
- Garrett Coll. — John W. Garrett Collection at Johns Hopkins University.
- Garthe Coll. — *Catalog der Münzen- und Medaillen Sammlungen des Herrn Hugo Garthe in Köln*, sold by J. M. Heberle, Cologne, Sept. 1884.
- Glendining & Co. — Sales Catalogue of Glendining & Co., London.
March 1964 (*Gold and Silver Coins of the World from the Estate of Wayte Raymond*).
- Gnecchi — E. Gnecchi, *Le monete di Milano da Carlo Magno a Vittorio Emanuele II* (Milan, 1884).
- Gouaux Coll. — Collection of M. Gouaux of Alençon, sold in 1857 at the Hôtel des Commissaires-Priseurs.
- Grierson, *ANSCent. Publ.* — Philip Grierson, "Some Modern Forgeries of Carolingian Coins," *ANSCent. Publ.* (1958), pp. 301-315.

- Grierson, *Jaarboek* 1951 — "The Gold Solidus of Louis the Pious and its Imitations," *Jaarboek voor Munt- en Penningkunde* (1951), pp. 1-41.
- Grunthal — Henry Grunthal, "Tentative Attributions of Some Hitherto Uncertain Carolingian Coins," *Dona Numismatica*, ed. P. Berghaus and G. Hatz (Hamburg, 1965), pp. 51-54.
- Hamburger — Sales Catalogue of L & L Hamburger, Frankfurt a. M.
 June 1891 (*Lorenz Köhler Collection*).
 May 1901 (*E. Gneccchi Collection*).
 Jan. 1902 (*E. Gneccchi Collection*).
 Nov. 1912 (*Duplicates of the Royal Cabinet, Berlin*).
 Sept. 1917 (*J. Ebner Collection*).
 Nov. 1922 (*Bedeutende Universalsammlung*).
 Sept. 1926 (*G. in D. Collection*).
 Feb. 1928 (*Prince Philip of Saxony-Coburg-Gotha*).
 Nov. 1928 (*Sammlung eines schweizer Amateurs*).
- Hävernick — Walter Hävernick, *Die Münzen von Köln vom Beginn der Prägung bis 1304* (Cologne, 1935).
- *HBN* 1952/4 — "Die Anfänge der karolingischen Goldprägung in Nordwesteuropa," *HBN* 1952/4, pp. 55-60.
- HBN* — *Hamburger Beiträge zur Numismatik*.
- Heiss — Aloiss Heiss, *Description General de las Monedas Hispano-Christianas* (Madrid, 1865).
- Helbing — Sales Catalogue of Otto Helbing Nachf., Munich.
 March 1902 (*Münzen und Medaillen Cabinet Rainer*).
 May 1907 (*Gustav Gube et alias*).
 Nov. 1909 (*Münzen und Medaillen verschiedener Länder*).
 March 1911.
 Oct. 1912 (*Zschieche und Köder, Leipzig*).
 April 1913.
 Dec. 1913 (*Sammlung eines österreichischen Kavaliers*).
 Dec. 1917 (*A. Kahlert Collection*).
 Oct. 1927 (*Jäger-Piloty*).
 Dec. 1931 (*Professor Heinrich Buchenau Collection*).
 Oct. 1932 (*Fürstenberg Cabinet at Donaueschingen*).
 Oct. 1933 (*Fürstenberg Cabinet at Donaueschingen*).
- Hess — Sales Catalogue of Adolph Hess Nachf., Frankfurt a. M.
 June 1888 (*Hirzel von Escher Collection*).
 May 1893 (*Carl Farina, Cologne Collection*).
 Oct. 1901.
 Oct. 1903 (*Duplicates of the Royal Coin Cabinet in Berlin*).
 Oct. 1904 (*Joseph F. Hirsch, Troppau Collection*).
 April 1928 (*Vogel Collection*).
 Fixed Price List 1905.
- Hess-Bank Leu — Sales Catalogue of Adolph Hess-Leu & Co., Lucerne-Zürich.
 Oct. 1964.
- Hess, Lucerne — Sales Catalogue of Adolph Hess, Lucerne.
 July 1933 (*Archduke Sigismund of Austria Collection*).

- Hirsch — Sales Catalogue of Gerhard Hirsch, Munich.
 June 1956.
 Nov. 1958.
 Oct. 1961.
 March 1966.
- Hucher, *RN* 1857 — E. Hucher, "Note sur un denier d'Eudes," *RN* 1857, pp. 315–318.
- Kress — Sales Catalogue of Münchner Münzhandlung Karl Kress.
 Dec. 1956.
 Oct. 1960.
 Dec. 1961.
- Kricheldorf — Sales Catalogue of Hellmuth H. Kricheldorf, Stuttgart.
 May 1956.
 Nov. 1960.
 June 1961.
 June 1964.
 July 1964.
 Nov. 1966.
- Kunz, *Periodico* 1870 — C. Kunz, "Museo Bottacin annesso alla civica Biblioteca e Museo di Padova," *Periodico di numismatica e sfragistica* (1870), pp. 22–35.
- Lafaurie, *ANSCent. Publ.* — Jean Lafaurie, "Trésor de monnaies carolingiennes découvert dans le Jura," *ANSCent. Publ.* (1958), pp. 407–415.
- Lelewel — J. Lelewel, *Numismatique de moyen-âge*, 2 vols. (Paris, 1835).
- Lempertz — Sales Catalogue of Lempertz Kunstauktionshaus, Cologne.
 March 1927 (*Wilhelm Pieper, Soest Collection*).
- Lockett Coll. — Coins at one time comprising the collection of R. Cyril Lockett, sold by Glendining & Co., London, Feb. 29, 1956.
- Lopez, *Periodico* 1869 — M. Lopez, "Aggiunte alla Zecca e moneta Parmigiana," *Periodico di numismatica e sfragistica* (1869), pp. 5–25.
- Martinori Coll. — Martinori Collection sold by P. & P. Santamaria, Rome, Nov. 1913.
- Maxe-Werly, *RBN* 1889 — M. L. Maxe-Werly, "État actuel de la numismatique rémoise," *RBN* 1889, pp. 57–87.
- Meert, *RBN* 1962 — Christian Meert, "Les monnaies carolingiennes de l'atelier de Dinant," *RBN* 1962, pp. 153–172.
- Meyer Coll. — *Collection H. M.* sold at the Hôtel Drouot, Paris, May 1902.
- Morrison, *Speculum* 1961 — K. F. Morrison, "The Gold Medallions of Louis the Pious and Lothaire I and the Synod of Paris (525)," *Speculum* 1961, pp. 592–599.
- Motte Coll. — *Ancienne Collection Georges Motte* sold by Emile Bourgey at the Hôtel Drouot, Paris, Nov. 1951.
- Münz. u. Med. — Sales Catalogue of Münzen und Medaillen A. G., Basel.
 Dec. 1948 (*Schweizer und ausländische Münzen*).
 Dec. 1949 (*Schweizer und ausländische Münzen*).
 June 1951 (*Ausländische Gold- und Silbermünzen*).
 July 1955 (*Monnaies Suisses en or . . . , Deniers Carolingiens*).
 Dec. 1957 (*Schweizer Münzen und Medaillen . . . , Denare der Karolinger*).
 Nov. 1961 (*Europäische Münzen des Mittelalters und der Neuzeit*).

- Nov. 1963 (*Monnaies Italiennes*).
 Nov. 1964 (*Collection d'un amateur suisse*).
 Münzhandl. Basel — Sales Catalogue of Münzhandlung Basel.
 Dec. 1935 (*Collection de Monnaies Françaises*).
 Oct. 1936 (*Monnaies et Médailles Suisses et Françaises*).
 Nascia — Sales Catalogue of R. G. Nascia, Milan.
 Fixed Price List Oct. 1965.
 Fixed Price List March 1966.
 Nedonchel, *RBN* 1863 — Cte. de Nedonchal, "Monnaies inédites de Tournai," *RBN* 1863, pp. 160–164.
 Nöbbe — E. Nöbbe, "Der karolingische Münzschatz vom Krinkberg," *Festschrift zur Hundertjahrfeier des Museums vorgeschichtlicher Altertümer in Kiel* (Neumünster, 1936).
 Norman Coll. — Collection of Jules Norman sold at the Hôtel des Commissaires-Priseurs, Paris, April 1910 (*Monnaies Grecques, Romaines, Gauloises et Françaises*).
 Papadopoli — Nicolo Papadopoli, *Le Monete di Venezia* (Venice, 1893).
 Peus — Sales Catalogue of Busso Peus, Frankfurt a.M.
 Nov. 1954 (*Römische Münzen ... Karolinger Münzen*).
 Oct. 1955 (*Deutschland, insbesondere Karolinger*).
 Piot, *RBN* 1851 — C. Piot, "Notice sur cinq monnaies inédites," *RBN* 1851, pp. 247–257.
 — *RBN* 1852 — "Trois monnaies carolingiennes frappées à Dinant, Maestricht et Namur," *RBN* 1852, pp. 139–141.
 Poey d'Avant — Faustin Poey d'Avant, *Monnaies Féodales de France* (Paris, 1858).
 Prou — M. Maurice Prou, *Les Monnaies Carolingiennes* (Paris, 1896).
 Quintino, *RN* 1841 — J. de S. Quintino, "Notice sur les monnoies des princes de Salerne," *RN* 1841, pp. 45–56.
 Ratto — Sales Catalogue of Mario Ratto, Milan.
 March 1957.
 Ratto — Sales Catalogue of M. Mario Ratto, Paris.
 March 1936.
 Ratto — Sales Catalogue of R. Ratto, Lugano.
 Dec. 1930 (*Monnaies Byzantines — Les rois Francs etc.*).
RBN — *Revue Belge de Numismatique*.
 Riechman — Sales Catalogue of A. Riechman & Co., Halle (Saale).
 Nov. 1924 (*Die mittelalterlichen Münzen des Hessischen Landesmuseums in Kassel*).
 April 1928 (*Münzen des Mittelalters*).
 Dec. 1934 (*Der Fund von Ludwiscze*).
RN — *Revue Numismatique*.
 Robert — C. Robert, *Etudes Numismatiques sur une partie du Nord — Est de la France* (Metz, 1852).
 Robert Coll. — Charles Robert Collection sold at the Hôtel des Commissaires-Priseurs, Paris, March 1886 (*Description de la collection de M. P. Charles Robert*).
 Robert, *RN* 1866 — "Monnaies de Trèves, de Metz et de Verdun," *RN* 1866, pp. 165–171.

- Rosenberg — Sales Catalogue of Sally Rosenberg, Frankfurt a.M.
 Nov. 1904 (*Ludwig Belli's Münzcabinet, I part*).
 Feb. 1906 (*Ludwig Belli's Münzcabinet, II part*).
 March 1914 (*Geheimrat Helferich, Eisenach*).
 Dec. 1932 (*Münzen und Medaillen des Mittelalters*).
 Oct. 1933 (*Sammlung Franz Heerdt*).
- Rousseau Coll. — Rousseau Collection sold at fixed prices by Rollin et Feuaraudent, Paris, 1861 (*Catalogue des Monnaies Nationales de France*).
- Salmon, RN 1853 — P. Salmon, "Notice sur un denier inédit du roi Raoul, frappé à Château-Landon," RN 1853, pp. 419-424.
- Schlessinger — Sales Catalogue of Felix Schlessinger, Berlin.
 March 1930 (*Sammlung aus norddeutschem Besitz, II part: Merovinger, Karolinger etc.*).
- Schulman — Sales Catalogue of J. Schulman, Amsterdam.
 Oct. 1913 (*Catalogue d'une collection intéressante de Monnaies du Moyen âge*).
 Jan. 1929 (*M. Othon Leonardos collection*).
 Jan. 1931.
 June 1936.
 June 1939.
 Jan. 1956 (*Moritz Wormser Estate, New York*).
 March 1959 (*J. C. P. E. Menso collection*).
 June 1961 (*J. van Kuyk collection*).
 April 1965 (*J. van der Meer, N.Y. collection*).
- Serrure — *Bulletin mensuel de numismatique et d'archéologie*, ed. Raymond Serrure (Brussels, 1881-1887).
- Simonis, RBN 1896 — J. Simonis, "Un denier à tête de Louis le Débonnaire frappé à Trévisé," RBN 1896, pp. 394-396.
- Stephanik Coll. — Joh. W. Stephanik Collection sold by Frederik Muller & Cie, Amsterdam, Dec. 1904.
- Suchodolski — S. Suchodolski, "Le Poids des monnaies de Charlemagne émises après la réforme," *Dona Numismatica* (Festschrift W. Hävernicks), eds. P. Berghaus and G. Hatz (Hamburg, 1965), pp. 43-50.
- Théry Coll. — Louis Théry Collection sold at the Hôtel Drouot, Oct. 1963.
- Tinchant — Sales Catalogue of Paul Tinchant, Brussels.
 Fixed Price List Feb. 1962.
- Van der Chijs — Pieter Otto van der Chijs, *De Munten der Frankische- en Duitsch-Nederlandsche Vorsten*, Vol. IX (Haarlem, 1866).
- Vatican Coll. — Gabinetto Numismatico Vaticano, Rome.
- Vogel Coll. — Vogel Collection sold by A. Hess, Frankfurt, April 1928.
- Voillemier, RBN 1851 — Voillemier, "Restitution d'un denier de Charles II (le Chauve) à la ville de Huy," RBN 1851, pp. 99-104.
- Völckers — H. H. Völckers, *Karolingische Münzfunde der Frühzeit (751-800)*, Abhandlungen der Akademie der Wissenschaften in Göttingen, philol.-hist. Kl. III, no. 61 (Göttingen, 1965).
- Zadoks and Jitta, *Jaarboek* — A. N. Zadoks and J. Jitta, "Vroeg-Karolingische munten van Dorestad," *Jaarboek voor Munt- en Penningkunde* (1949), pp. 96-98.

ARRANGEMENT OF THE CATALOGUE

The catalogue combines the arrangement according to rulers, which was adopted by Gariel, and that according to topography, which Prou employed; the principal classification is that of the ruler, the secondary, that of the mint city. In attributions, our rule has been to confess doubt when it persists despite earnest efforts to clarify it; for we judge that it would only provoke misunderstandings among non-specialists—and, indeed, that it would render no service to specialists—if we advanced as fact attributions which rest on hypothesis or on sheer conjecture, however learned. Cross references have been used when particular issues could have been struck by either of two rulers, or by both. When there are several types struck by the same ruler in one mint city, an attempt has been made to set the issues in chronological order, according to the data analysed in the introduction. Denarii precede oboli. Within each entry, the following order has been used: types, references to Prou, Gariel, and the British Museum *Sylloge of Carolingian Coins*, citations of sales catalogues, exemplars arranged according to collection (as described on pp. ix–xi), and find data.

PIPPIN THE SHORT (752-768)

Alsace

STRASSBURG

1. *Obv.*: R-P, with one dot beneath the curve of the P.
Rev.: CIVARCRAT• Cross. Denarius.
Gariel III, 72 (Gariel Coll.).
Gariel Coll., 584; Meyer Coll., 66 (ex Imphy).
Berlin: 1.05 gr., 1.17 gr.; Brussels: 1.22 gr. (PLATE I).
Finds: Ilanz II, 1.24 gr.; Imphy.

Lorraine

CAMBRAI

2. *Obv.*: +R-P, with two dots between the letters, three dots, triangularly arranged between the legs of the R, and E behind the P.
Rev.: CAM_L/RAC_◇, with a bar between the lines. Two dots at the left end of the bar. Denarius.
Gariel I, 19 (Ponton d'Amécourt Coll., Imphy find. 1.20 gr.).
Berlin: 1.24 gr. (PLATE I).
Find: Imphy.

TRIER

3. *Obv.*: Δ, N, P, P, in the corners of a cross.
Rev.: PTREFER. Dot. Denarius.
Bordeaux, *RBN* 1893, p. 281, no. 1.
Trier: (Inv. 40.1199) 1.30 gr.
Find: Trier.
4. As foregoing, with reading $\overline{\text{R}}$ EFER. Obolus.
Bordeaux Coll., 164, wt. 0.60 gr.; Cahn, April 1929, 2.
5. *Obv.*: Δ, N, PI, PI, in the corners of a cross.
Rev.: PTREFER (retrograde). Obolus.
Bordeaux, *RBN* 1893, p. 282, no. 2.
Trier: (Inv. 29.6) 0.60 gr. (PLATE I).

6. *Obv.*: +P[̄]R[̄]F.

Rev.: R[̄]E[̄]R. Denarius.

Trier: (Inv. 40.1200) 1.11 gr.

Find: Trier.

7. *Obv.*: PIA, several bars above.

Rev.: TREFER. Dot. Denarius.

Bordeaux Coll., 163, 1.13 gr.

Find: Trier.

VERDUN

8. *Obv.*: R[̄]F.

Rev.: :VIR:/ + /DAH. Denarius.

Prou 142; Gariel IV, 77 (Gariel Coll., Imphy find).

Rosenberg 1906, 1; Vogel Coll., Hess April 1928, 3672.

Paris: 1.07 gr.; Berlin: 1.11 gr. (PLATE I).

Find: Imphy.

9. +R[̄]F, with a dot in the curve of the R.

Rev.: VIR/O-/V[̄]P. Denarius.

Gariel IV, 76.

The Hague: (527, var. VIR/-/D[̄]U[̄]II, with a cross at the left. Broken).

1.04 gr.

Francia

ST-FIRMIN (AMIENS)

10. *Obv.*: R[̄]P.

Rev.: S[̄]CI/FIRH/II. Denarius.

Prou 227; Gariel III, 62 (Gariel Coll.).

Gariel Coll., 581.

Paris: 1.05 gr. (PLATE I); Berlin: 1.18 gr.

ST-PIERRE (CORBIE?)

11. *Obv.*: R[̄]P, with one dot between the legs of the R, one between the letters, and one beneath the curve of the P.

Rev.: S[̄]CI/PE RI. Denarius.

Prou 928; Gariel III, 70 (Gariel Coll., Imphy find).

Meyer Coll., 65 (ex Imphy); Hamburger Nov. 1912, 2; Helbing Dec. 1917, 1; Schlessinger March 1930, 1480. (The last three entries refer to the same piece).

Paris: 1.31 gr.; Berlin: 1.36 gr. (PLATE I).

Find: Imphy.

ST-MARIE (LAON ?)

12. *Obv.*: R⁻P.

Rev.: SCIMARA. S in a circlet of dots. Denarius.

Gariel III, 67 (*RN* 1844, p. 273).

13. *Obv.*: R⁻P, with one dot between the letters and one dot beneath the curve of the P.

Rev.: SCA/M \mathcal{R} , with a bar between the lines. One dot at each end of the bar. Denarius.

Gariel III, 71a (Voillemier Coll.).

Berlin: 1.17 gr.

Find: Imphy.

NOYEN

14. *Obv.*: R⁻P, with one dot between the letters and one dot beneath the curve of the P.

Rev.: NO/VIMO/M \diamond , with a bar between each line. Denarius.

Gariel III, 49 (Gariel Coll.).

Gariel Coll., 574.

Berlin: 0.98 gr. (PLATE I).

RHEIMS

15. *Obv.*: LAbI, with a bar above the monogram, one dot after the I, and a cross beneath the monogram with one dot in each corner.

Rev.: REM, with a bar above and three dots horizontally arranged beneath. Denarius.

Gariel III, 56 (Ponton d'Amécourt Coll.).

Berlin: 1.29 gr. (PLATE I).

Find: Rheims.

Neustria

CHARTRES

16. *Obv.*: R⁻P, with a bar beneath the monogram, one dot before the R, and two dots beneath the curve of the P.

Rev.: Man standing, full front, both arms extended, and holding a cross in each hand. As part of the pattern, the letters C, A, R, T. Denarius.

Prou 923; Gariel I, 21 (Ponton d'Amécourt Coll.).

Paris: 1.10 gr.

17. Variety of foregoing. Letters on rev. are C, A, R, N. Denarius.
 Gariel I, 22 (Ponton d'Amécourt Coll.).
 Berlin: 1.22 gr. (PLATE I).
Find: Chartres.
18. *Obv.*: R̄P, with one dot before the R, and two beneath the curve of the P.
Rev.: Man standing, full front, both arms extended, and holding a cross in each hand. Dots in field. Denarius.
 Prou 924; Gariel I, 24 (Ponton d'Amécourt Coll.), 23 (var., Ponton d'Amécourt Coll., Imphy find).
 Münz u. Med. Dec. 1957, 666.
 Paris: 1.41 gr.; Berlin: 1.40 gr. (PLATE I); ANS: 1.18 gr.
Find: Imphy.

ST-MARTIN (TOURS)

19. *Obv.*: P̄I:†:P̄I/REX.
Rev.: +SCIMARTINI. Globule in a circlet of dots. Denarius.
 Prou 439 = Gariel III, 68.
 Paris: 0.85 gr. (PLATE I).
20. *Obv.*: ...†P̄I/REII.
Rev.: +SCIMARTINI. Globule in a circlet of dots. Denarius.
 Gariel III, 69 (letter of Barthélemy).
Find: Loire-Inférieure.

Burgundy

TROYES

21. *Obv.*: R̄P, with one dot beneath the curve of the P.
Rev.: +TRI/CA. Denarius.
 Prou 540 = Gariel III, 73, (also Ponton d'Amécourt Coll., Gariel Coll., Imphy find).
 Gariel Coll., 585; Meyer Coll., 67.
 Paris: 1.23 gr.; Berlin: 1.16 gr., 1.33 gr. (PLATE I).
Find: Imphy.

SENS

22. *Obv.*: R̄F.
Rev.: SENNOIS. Cross. Denarius.
 Gariel II, 46 (Ponton d'Amécourt Coll., Imphy find, 1.33 gr.).
 Berlin: 1.35 gr. (PLATE I).
Find: Imphy.

23. *Obv.*: RP, with one dot between the letters and one beneath the curve of the P.

Rev.: SE...NOIS. Cross. Denarius.

Gariel II, 47 (Salmon Coll.).

LYON

24. *Obv.*: R⁻P.

Rev.: LVS. Denarius.

Prou 626; Gariel II, 36 ("publié par Fougère").

Paris: 1.20 gr. (PLATE I).

Indeterminate Mints

PRESUMED "MULES"

25. *Obv.*: +/PIPI/ horizontal axe.

Rev.: R-F, with one dot between the letters. Denarius.

Prou 980; Gariel I, 7-16 (var.); *BMS* I.

Gariel Coll., 566; Meyer Coll., 59, 60 (ex Imphy and Gariel); Bordeaux Coll., 160 (ex Meyer); Cahn Dec. 1932, 1197.

Paris: 1.25 gr.; Berlin: 1.34 gr., 1.28 gr., 1.29 gr., 0.95 gr.; BM: (SSB-127-1) 1.27 gr.; Brussels: 1.07 gr., 1.17 gr., 1.18 gr.; Copenhagen: (Fortegn., p. 250, n. 1) 1.30 gr., (Devegge 10) 1.22 gr. (PLATE I); (Thompson 1181) 1.44 gr.; The Hague: (531) 0.69 gr., (529) 0.90 gr., (524) 1.00 gr., (525) 1.00 gr. (all damaged); Munich: (lost, no weight recorded).

26. *Obv.*: +/PIPI/ horizontal axe.

Rev.: R⁻P, with two dots between the letters, and an indecipherable design at the right of the monogram. Denarius.

Jaarboek voor Munt- en Penningkunde, 1949, p. 97, pl. VII.

The Hague: (Inv. 1954, no. 5) 1.10 gr. (damaged).

27. *Obv.*: "P̄PI/ horizontal axe.

Rev.: R^TP, with three dots between the legs of the R, and one dot between the letters. Denarius.

Grierson: 1.15 gr.

28. *Obv.*: PIP/./NYS.

Rev.: FṘ, with a six-pointed star at the left of the R and three dots, triangularly arranged beneath it. Denarius.

Gariel IV, 83 (LeBlanc).

29. *Obv.*: P̄IP, with h-A between the letters and 3 beneath the curve of the second P.

Rev.: R⁻P, with two dots between the letters. Denarius.

Gariel II, 29 (Ponton d'Amécourt Coll., Imphy find).

Berlin: 1.10 gr. (PLATE I).

Find: Imphy.

30. *Obv.*: +/IIPIPI/ horizontal axe.

Rev.: R^TP, with four dots beneath the R, and one dot between the letters, one dot at the right of the P. Denarius.

The Hague: (533) 0.62 gr. (fragment).

31. *Obv.*: +/IIPIPI/ horizontal axe.

Rev.: R^TP, with Æ beneath the letters and one dot before the R. Denarius.

The Hague: (530) 1.15 gr.

ICONOGRAPHICAL REVERSES

32. *Obv.*: +/PP/•••.

Rev.: Indecipherable. Denarius.

The Hague: (Inv. 17486) 0.20 gr. (damaged).

33. *Obv.*: R^TF, with three dots before the R and one dot between the letters.

Rev.: Four curved lines forming a rosette cross. Dots in field. Denarius.

Gariel II, 38 (Ponton d'Amécourt Coll., Imphy find), 39 (var., Ponton d'Amécourt Coll., Imphy find).

Meyer Coll., 60 (ex Imphy and Gariel); Hamburger Nov. 1912, 4; Schulman Oct. 1913, 354; Cahn Dec. 1932, 1197.

Berlin: 1.29 gr. (PLATE I); Copenhagen: (K. P. 1324) 1.33 gr.

Find: Imphy.

34. *Obv.*: R^TF, with two dots between the letters.

Rev.: Cruciform pattern. Denarius.

Gariel IV, 78 (Ponton d'Amécourt Coll.).

A modern die of the obv. exists, cf. Grierson, *ANSCent. Publ.*, p. 310, 1.

Berlin: 1.11 gr. (PLATE I).

35. *Obv.*: R^TP, with three dots, triangularly arranged, beneath the curve of the P.

Rev.: Cross with bar pendant from each end of the cross bar, and a curved bar extending downward on each side from the summit of the cross to the ends of the cross bar. A small cross at the head of the larger, and three dots at its foot. Denarius.

Prou 315; Gariel III, 50 (Gariel Coll.).

Gariel Coll., 575; Meyer Coll., 61.

Paris: 1.27 gr.; Berlin: 1.08 gr. (PLATE I); Munich: (lost, no weight recorded).

36. *Obv.*: R[—]P, with one dot between the letters and one beneath the curve of the P.

Rev.: Illegible pattern about a patriarchal cross. Denarius.

Gariel III, 59 (Ponton d'Amécourt Coll., Imphy find), 60 (var., Ponton d'Amécourt Coll., Imphy find).

Gariel Coll., 579; Meyer Coll., 64 (ex Imphy).

Berlin: 1.32 gr., 1.34 gr. (PLATE I).

Find: Imphy.

37. *Obv.*: R[—]P, with one dot between the letters and one beneath the curve of the P.

Rev.: Indecipherable characters about a cross. Denarius.

Gariel IV, 79 (van der Chijs, pl. X, 19).

Berlin (PLATE II).

38. *Obv.*: R[—]P, with crossed bar beneath.

Rev.: Man standing full face front, with arms outstretched, holding a cross in his right hand. In the pattern, the symbols EAC. Denarius.

Gariel IV, 80 (van der Chijs, pl. IX, 7).

39. *Obv.*: +/ΛPIPI/ horizontal axe.

Rev.: Man standing to right, holding in front a curved stave and to the rear, a cross. Illegible inscriptions at the left and at the right. Beneath, a dot. Denarius.

Gariel IV, 81 (van der Chijs, pl. X, 10).

The Hague: (Inv. 17485) 1.00 gr. (fragment).

40. *Obv.*: R[—]P, with one dot between the letters and one beneath the curve of the P.

Rev.: Six-pointed star with A in the center. Denarius.

Gariel II, 32 (Brussels).

Brussels: 0.85 gr. (PLATE II).

Find: Bonn; Liège.

41. *Obv.*: R[—]P, with l in the curve of each letter, and F in monogram at the foot of the P.

Rev.: Indecipherable monogram. Denarius.

Gariel II, 44 (RN 1855, p. 39).

Find: Josselin.

EPIGRAPHICAL REVERSES

42. *Obv.*: R[—]P, with one dot between the letters and another beneath the curve of the P.
Rev.: +ADP, with a semi-circle of dots around the curve of the D.
 Denarius.
 Prou 922; Gariel I, 1 (Gariel Coll.).
 Gariel Coll., 563; Meyer Coll., 57.
 Paris: 0.65 gr.; Berlin: 1.18 gr.; Brussels: 0.68 gr.
Find.: Bonn.
43. *Obv.*: R[—]P, with three dots, triangularly arranged before the R, one dot between the letters, one dot in the curve of the P, and a bar and a dot beneath the curve of the P.
Rev.: AD◇ monogram, with the ◇ in the curve of the D. Three dots triangularly arranged before the A, one dot between the A and the D, and a bar beneath the monogram.
 Gariel II, 33 (Ponton d'Amécourt Coll., Imphy find).
 Berlin: 1.32 gr.
Find.: Imphy.
44. *Obv.*: R[—]P, with one dot between the letters, one dot beneath the monogram, and one beneath the curve of the P.
Rev.: +AR, with a bar above the monogram. Denarius.
 Gariel II, 30 (*RBN* 1859, pl. VII, 4, found at Dorestadt).
45. *Obv.*: R[—]P.
Rev.: AV. Denarius.
 Gariel I, 5 (Fillon, *Lettres à Dugast-Matifeux*).
46. *Obv.*: R[—]P, with one dot between the letters.
Rev.: +A J. Denarius.
 Gariel II, 31 (Brussels).
47. *Obv.*: R[—]P, with two dots between the letters, and three dots triangularly arranged beneath the curve of the P.
Rev.: AVT/TRΔ[—]/N◇, with one bar above the central line and one below it. Denarius.
 (See D. M. Metcalf, "Coins of Pepin Minted at Saint-Denis?" *Cunobelin*, 1965, pp. 19–29, 54.)
 Prou 2, 3, 4; Gariel I, 2 (Gariel Coll., Imphy find), 3 (Ponton d'Amécourt Coll., Imphy find), 4 (Ponton d'Amécourt Coll., Imphy find). *BMS* 2, 3.
 Norman Coll., 541; Lockett Coll., 317, 318; Rosenberg Nov. 1904, 1;
 Rosenberg March 1914, 476; Hamburger Sept. 1917, 1038; Cahn Dec.

1922, 494; 1.60 gr.; Cahn Sept. 1932, 1289; Cahn Dec. 1932, 1195; Cahn Dec. 1932, 1196; Kress Oct. 1960, 1367; Hirsch March 1966, 182.
 Paris: 1.29 gr., 1.47 gr., 1.11 gr.; Berlin: 1.27 gr., 1.31 gr., 1.06 gr. (PLATE II); ANS: 1.29 gr.; BM: (no number) 1.31 gr., (1908-10-8-6) 0.92 gr.; Brussels: 1.38 gr.; Grierson: 1.17 gr.; The Hague: (Inv. 17484) 0.90 gr.; Munich: (lost, no weight recorded); Van Rede: (B 1201) 1.20 gr.
Find: Imphy; Ilanz II: 0.73 gr., 0.83 gr., 0.87 gr., 1.02 gr., 1.18 gr., 1.22 gr., 1.28 gr.


48. *Obv.*: R⁻P, with two dots between the letters and one beneath the curve of the P.

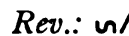

Rev.: , with a horizontal bar above. Denarius.

Gariel I, 20 (Ponton d'Amécourt Coll., Imphy find, 1.22 gr.).

Berlin: 1.25 gr. (PLATE II).

Find: Imphy.

- 48a. *Obv.*: RPIP, with a bar and a superimposed dot above, and  beneath.

Rev.: /I- , with a bar beneath. Denarius.

The Hague.

49. *Obv.*: R⁻P, with one dot between the letters.

Rev.: CVVVSCO. Cross. Denarius.

Gariel IV, 74 (Ponton d'Amécourt Coll., Imphy find).

Berlin: 1.33 gr. (PLATE II).

Find: Imphy.

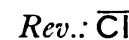
50. *Obv.*: "R⁻P, with one dot beneath the curve of the P.

Rev.: Monogram of CINMA (?), with a bar above. Denarius.

Prou 925 = Gariel II, 34.

Paris: 1.13 gr.; Berlin: 0.96 gr. (PLATE II); The Hague: (Inv. 17578) 1.10 gr.

51. *Obv.*: R⁻P, with one dot between the legs of the R, one dot between the letters, and one dot beneath the curve of the P.

Rev.: /PRH/•. Denarius.

Gariel III, 63 (Cabinet de France, but not in Prou).

52. *Obv.*: R⁻P, with one dot between the letters, and one dot beneath the curve of the P.

Rev.: C⁻N, with one dot within a diamond pattern between the letters, and four dots arranged in a diamond pattern beneath the monogram. Denarius.

Gariel II, 26 (Gariel Coll.).

Gariel Coll., 568.

Berlin: 0.94 gr. (PLATE II).

Find: Verdun.

53. *Obv.*: DÖM/PIPI/., with bars between the lines.
Rev.: ELI/MOSI/NA, with bars between the lines. Denarius.
 Gariel I, 17 (Ponton d'Amécourt Coll., Imphy find, 1.30 gr.).
 Berlin: 1.35 gr. (PLATE II).
Find: Imphy.
54. *Obv.*: R, with two dots before the R and one after it.
Rev.: ERI, retrograde, with two dots after the curve of the R,
 and ↖ between the legs of the R. Denarius.
 Gariel IV, 82.
55. *Obv.*: R[—]P, with ı beneath the curve of the P.
Rev.: ƆAD/DO. Denarius.
 Prou 5 = Gariel II, 28.
 Paris: 1.14 gr.
56. *Obv.*: ƆR[—]F, with one dot between the letters and one beneath
 the lower horizontal bar of the F.
Rev.: ıIFR, with a horizontal bar above and 𐌹 beneath. Denarius.
 Gariel I, 6 (Gariel Coll.).
 Gariel Coll., 565.
 Berlin: 1.08 gr. (PLATE II).
57. *Obv.*: R[—]F.
Rev.: IIIQ/ + - ı./OIII. Denarius.
 Gariel IV, 75 (Ponton d'Amécourt Coll., Imphy find).
 Meyer Coll., 68 (ex Imphy). Hamburger Nov. 1912, 1; Rosenberg Nov.
 1904, 2.
 Berlin: 1.08 gr. (PLATE II); The Hague: (526 var. 𐌹 between the legs
 of the obverse R) 1.10 gr.
Find: Imphy.
58. *Obv.*: +R[—]R.
Rev.: IL/"/EN. Denarius.
 Gariel II, 27 (Ponton d'Amécourt Coll., Imphy find, 1.29 gr.).
 Berlin: 1.31 gr. (PLATE II).
Find: Imphy.
59. *Obv.*: R[—]P', with a dot between the letters.
Rev.: LV, with a dot in the V and a bar above the monogram.
 Denarius.
 Gariel II, 37 (Gariel Coll.).
 Gariel Coll., 569; Hamburger Sept. 1926, 1.
 Berlin: 1.19 gr., 1.31 gr. (PLATE II).
60. *Obv.*: R[—]F, with two dots between the letters.
Rev.: MAR/ . /C[—]... Denarius.
 Cahn March 1926, 1, 0.87 gr.

4*

61. *Obv.*: R[—]P, with one dot between the letters, one dot in the curve of the P, and one dot beneath the curve of the P.

Rev.: ME⁹S, with three dots triangularly arranged beneath the M. Denarius.

Gariel II, 42 (Gariel Coll.).

Gariel Coll., 571.

Berlin: 0.92 gr. (PLATE II).

Find: Lyon.

62. *Obv.*: 9RE, with a bar above the monogram and a cross beneath.

Rev.: MIL/◇, with a bar above the monogram. Denarius.

Gariel II, 43 (Fillon, *Lettres à Dugast-Matifeux*).

Berlin: 1.15 gr. (PLATE II).

63. *Obv.*: R[—]P, with one dot between the letters.

Rev.: NE (?) in monogram. Denarius.

Gariel II, 48 (Ponton d'Amécourt Coll.).

Berlin: 0.71 gr. (PLATE II).

64. *Obv.*: R[—]F, with one dot between the letters.

Rev.: ⅡR, with one dot before the Ⅱ and one in each of its corners.

A bar above the monogram. Denarius.

Gariel II, 45 (Gariel Coll.).

Gariel Coll., 573; *Hamburger Feb.* 1928, 707; *Schlessinger March* 1930, 1479; *Frankfurter Münzhandl.* Sept. 1961, 10.

Berlin: 1.15 gr. (PLATE II).

65. *Obv.*: R[—]F, with one dot between the letters.

Rev.: OIN◇A. In center, ∴ Denarius.

Gariel II, 35 (fragment, Imphy find).

Berlin: 0.93 gr. (PLATE II).

Find: Imphy.

66. *Obv.*: R[—]P, with one dot in the curve of the R, and one dot beneath the curve of the P.

Rev.: +O/MAC/CS. Denarius.

Gariel II, 40 (Brussels), 41 (var. Ponton d'Amécourt Coll.).

Berlin: 1.29 gr. (PLATE II); Brussels: 0.91 gr.

67. *Obv.*: RP, 7 before the R, 𐌹 between the legs of the R, a ba with a pendant semi-circle above the monogram.

Rev.: ∴ P[—]F. Denarius.

Brussels: 0.84 gr.

68. *Obv.*: **R** $\overline{\text{P}}$, with one dot between the letters and one dot beneath the curve of the P.

Rev.: **R**-**F**, with one dot between the letters. Denarius.

Garrett Coll.: (6112) 1.18 gr.

69. *Obv.*: **R** $\overline{\text{F}}$, with two dots beneath the R.

Rev.: **9** \square -**C** \square **I**/ \square \square **I** S . Denarius.

Prou 184; Gariel III, 53 (Gariel Coll.), 51 (var., Ponton d'Amécourt Coll., Imphy find), 52 (Var.).

Gariel Coll., 576; Meyer Coll., 62.; Théry Coll., 1963, 380.

Paris: 1.24 gr.; Berlin: 1.25 gr., 1.35 gr. (PLATE II); Copenhagen: (T. 1182) 1.14 gr., (T. 1184) 1.19 gr., (T. 1185) 1.33 gr.

Find: Imphy; Ilanz II, 1.14 gr.

70. *Obv.*: **R** $\overline{\text{P}}$, with three dots before the R, one dot between the letters, and two dots beneath the curve of the P.

Rev.: **R**, with one dot inside the curve, one dot between the legs, and a cross of four dots behind the curve. Denarius.

Prou 926; Gariel III, 55 (Gariel Coll., Imphy find).

Meyer Coll., 63; Bordeaux Coll., 162; Cahn April 1929, 1; Schulman Jan. 1931, 76.

Paris: 1.15 gr.; Berlin: 1.18 gr., 1.61 gr. (PLATE II); ANS: 1.33 gr.; Blunt: 1.43 gr.; Garrett: (6111) 1.34 gr.; Vienna: 1.15 gr.

Find: Imphy.

71. *Obv.*: **R** $\overline{\text{P}}$, with one dot before the R, and one dot between the letters.

Rev.: **RA****I**, with **A** between the legs of the R, and two dots above the **RI**. Denarius.

Gariel III, 57 (Chapper Coll.).

72. *Obv.*: **+RI**.

Rev.: **S** A X . Denarius.

Gariel II, 25 (Gariel Coll.).

Gariel Coll., 567.

Berlin: 0.87 gr. (PLATE III).

73. *Obv.*: **R** $\overline{\text{P}}$, with one dot beneath the curve of the P.

Rev.: **SC** $\overline{\text{ICI}}$ /**RI****CI**. Denarius.

Prou 927; Gariel III, 58 (Ponton d'Amécourt Coll., Imphy find).

Gariel Coll., 578; Hamburger Nov. 1912, 3.

Paris: 1.46 gr.; Berlin: 1.25 gr. (PLATE III).

Find: Imphy.

74. *Obv.*: R⁺P

Rev.: SC⁺ S⁺F, with a bar above the monogram and four dots arranged in a diamond pattern beneath. Denarius.

Gariel III, 64 (Ponton d'Amécourt Coll.).

Berlin: 1.16 gr. (PLATE III).

Find: Imphy.

75. *Obv.*: R⁺P, with one dot before the R, ƿ between the legs of the R, one dot between the letters, and three dots, triangularly arranged beneath the curve of the P.

Rev.: ƿC⁺I :./CM⁺I, with a bar between the lines. Denarius.

Gariel III, 65 (Gariel Coll.).

Gariel Coll., 582.

Berlin: 0.87 gr. (PLATE III).

Find: Brussels.

76. *Obv.*: R F.

Rev.: + SCICRV... Cross. Denarius.

Gariel I. 21.

Théry Coll, 1963, 382; ex Ducrocq sale, Paris 1936, 47.

Find: Imphy.

76a. *Obv.*: R⁺F, with three dots vertically arranged before the R, and two dots vertically arranged between the letters.

Rev.: SC⁺I./MAR, with a bar between the lines. Denarius.

Gariel III, 66 (Ponton d'Amécourt Coll., Imphy find).

Berlin: 1.19 gr. (PLATE III).

Find: Imphy.

77. *Obv.*: P⁺F, key design before the P, uncertain pattern after the F.

Rev.: S⁺CO/SEF. Denarius.

Gariel III, 61 (Ponton d'Amécourt Coll., Imphy find).

Gariel Coll., 580.

Berlin: 1.26 gr., 1.28 gr. (PLATE III).

Find: Imphy.

78. *Obv.*: R⁺F, with one dot between the letters.

Rev.: SCS/+A□. Denarius.

The Hague: (534) 0.56 gr.

79. *Obv.*: R⁺P, with one dot between the letters and one dot beneath the curve of the P.

Rev.: So⁺~/TΛ⁺?. with one bar above and one bar below the first line. Denarius.

Berlin: 1.18g r.

80. *Obv.*: R̄F, with two dots between the letters.
Rev.: +VE/SON. Denarius.
 Gariel I, 18 (Ponton d'Amécourt Coll., Imphy find, 1.29 gr.).
 Berlin: 1.32 gr. (PLATE III).
Find: Imphy.
81. *Obv.*: R̄F.
Rev.: □ ICO/ ≡S̄. Denarius.
 Prou 929.
 Paris: 0.95 gr. (damaged).

CARLOMAN (768–771)

Indeterminate Mints

82. *Obv.*: Monogram of CARM, with a bar above.
Rev.: R̄F, with two dots between the letters. Denarius.
 Gariel IV, 1 (Gariel Coll.).
 Berlin: (PLATE III).
83. *Obv.*: C A R ♦.
Rev.: +ADP, with a row of dots around the curve of the D. Denarius.
 Gariel IV, 2 (Ponton d'Amécourt Coll.).
 Meyer Coll., 71.
 Berlin: (PLATE III).
84. *Obv.*: Monogram of CARM, with a bar above.
Rev.: ARE, with a bar above. Denarius.
 Gariel IV, 3 (Ponton d'Amécourt Coll.).
 Berlin: (PLATE III).
85. *Obv.*: CARo, with a bar above.
Rev.: LEVTBRA. Dot in a circlet. Denarius.
 Gariel IV, 5 (Ponton d'Amécourt Coll., Imphy find).
 Bordeaux Coll., 165; Hamburger Nov. 1912, 5 = Hamburger Feb. 1928, 708; Schlessinger March 1930, 1481; Münz. u. Med. Dec. 1948, 157; Cahn March 1913, 1. All the deniers which appeared in the trade are forgeries, cf. Grierson, *ANSCent. Publ.*, p. 310, 2.
 Berlin: 1.37 gr. (PLATE III); Hannover: (Inv. 1930. 11) 1.05 gr.
Find: Imphy; Lorenzberg bei Epfach.
86. *Obv.*: CARLM, monogram with bar above.
Rev.: AR, with horizontal bar above. Denarius.
 Prou 762 = Gariel IV, 4.
 Paris: 1.27 gr.

87. *Obv.*: CARLM, monogram, with a bar above.
Rev.: LV5, with a bar above the V, and a dot beneath.
 Denarius.
 Gariel IV, 6 (Ponton d'Amécourt Coll.).
 Berlin: (PLATE III).
Find: Lyon.
88. *Obv.*: CAR/LOM.
Rev.: SCIANIAI. Standing figure to left, holding a curved stave
 in front. Dots in field. Denarius.
 Gariel IV, 7 (Ponton d'Amécourt Coll., Imphy find).
 Berlin: 1.37 gr. (PLATE III).
Find: Imphy.
89. *Obv.*: CAR/LOM.
Rev.: SCICRUCIS. Patriarchal cross. Denarius.
 Gariel IV, 8 (Ponton d'Amécourt Coll., Imphy find).
 Berlin: 1.37 gr. (PLATE III).
Find: Imphy.

CHARLEMAGNE (768–814)

East Francia

MAINZ

90. *Obv.*: +CARLVSREXFR. Cross with one dot in each corner.
Rev.: +MOGONTIA. Karolus monogram. Denarius.
 Gariel XIII, 205 (Brussels).
 Brussels: 1.68 gr. (PLATE IV); Frankfurt a.M.: 1.69 gr.
91. *Obv.*: +CARLVSREXFR. Karolus monogram.
Rev.: +MOGONTIA. Cross on three steps. Denarius.
 Prou 30, 31; cf. Gariel XIII, 207 (var., rev. inscription retrograde.
 Gariel Coll.). *BMS* 4.
 Rousseau Coll., 299; Helbing Nov. 1909, 1; Cahn 1914, 2; Cahn Dec.
 1922, 505, 1.40 gr.; Riechman Nov. 1924, 15; Cahn March 1926, 12;
 Riechman April 1928, 623; Cahn Feb. 1931, 6, 1.69 gr.
 Paris: 1.62 gr., 1.67 gr.; Berlin: 1.47 gr. (var.), 1.55 gr., 1.72 gr. (var.)
 (PLATE IV); ANS: 1.67 gr.; BM: (57–9–1–5. IGP, var. as Gariel XIII,
 207) 1.40 gr.; Brussels: 1.05 gr., 1.49 gr., (Inv. 21) 1.58 gr., 1.60 gr.,
 (Inv. 22) 1.64 gr.; Frankfurt a.M.: 1.63 gr.; Hannover: (Inv. 1928. 173)
 1.72 gr.
Find: Biebrich, 1.40 gr.

92. *Obv.*: +CARLVSREXFR. Karolus monogram.
Rev.: +MOGONTIA. Cross. Denarius.
 Prou 32; Gariel XIII, 206 (Gariel Coll.); *BMS* 5.
 Cahn Dec. 1922, 506, 1.75 gr., Cahn Oct. 1924, 6; Cahn March 1926, 11;
 Frankfurter Münzhandl. Sept. 1961, 11.
 Paris: 1.66 gr.; Berlin: 1.15 gr., 1.15 gr., 1.61 gr., 1.61 gr. (var.); ANS:
 1.64 gr. (PLATE IV); BM: (1893-12-4-238) 1.68 gr.; Brussels: 1.32 gr.,
 (Inv. 23) 1.61 gr.; Copenhagen: (G. P. 697) 1.42 gr.; Grierson: 1.20 gr.;
 The Hague: (554) 1.65 gr.; Vatican: 1.57 gr. (var.).
Find: Biebrich, 1.75 gr., 1.84 gr.; Dorestadt (1846)?
93. *Obv.*: +CARLVSREXFR. Karolus monogram.
Rev.: +MOGONTIA. In center, P. Denarius.
 Prou 33; Gariel XIII, 208 (Gariel Coll.).
 Hess Pricelist 1905, 20.
 Paris: 1.71 gr.; Berlin: 1.50 gr. (PLATE IV) (also, a copper forgery weigh-
 ing 1.21 gr.); The Hague: (Inv. 17487) 1.50 gr.
Find: London (Middle Temple).

"SENNES"

94. *Obv.*: +CARLVSREXFR. Karolus monogram.
Rev.: +SENNES. Cross on three steps. Denarius.
 Prou 40; Gariel XII, 188.
 Paris: 1.37 gr. (PLATE IV).
95. *Obv.*: +CARLVSREXFR. Karolus monogram.
Rev.: +SENNES. Cross. Denarius.
 Prou 41; Gariel XII, 189 (Gariel Coll.).
 Gariel Coll., 663; Meyer Coll., 126; Hess Oct. 1903, 1312; Hess Pricelist
 1905, 23; Schulman Jan. 1931, 80.
 Paris: 1.66 gr.; Berlin: 1.63 gr. (PLATE IV); ANS: 1.85 gr.; Brussels:
 1.48 gr.
Find: Biebrich: 1.40 gr.

Alsace

STRASSBURG

96. CARL/RF, with a bar between the lines.
Rev.: CIVI/ARSE, with a bar between the lines. Denarius.
 Prou 42; Gariel X, 134 (Gariel Coll., 1.20 gr.).
 Paris: 1.22 gr. (PLATE IV); Berlin: 1.27 gr.

97. *Obv.*: CÆo/LVS.*Rev.*: STRATBVRG. Cross. Denarius.Gariel X, 135 (Gariel Coll.); *BMS* 6.

Cahn April 1921, 55; Cahn Dec. 1922, 495, 1.10 gr.; Cahn March 1926, 5; Hess April 1928, 3560; Cahn Dec. 1932, 1212; Münzhandl. Basel Oct. 1936, 305; Münz u. Med. Dec. 1949, 464; Kress Oct. 1960, 1378.

Berlin: 1.28 gr., 1.29 gr. (PLATE IV); BM: (57-9-6. IGP) 1.36 gr.; Frankfurt a.M.: 1.17 gr. (damaged); Munich: (lost, no weight recorded).

Find: Vercelli.

Lorraine

AACHEN

98. *Obv.*: CÆo/LVS.*Rev.*: AꝀVISGRAN. Cross. Denarius.

Gariel V, 3 (Cappe, pl. I, 1; Combrouse, pl. XI, 1).

DORESTADT

99. *Obv.*: CÆo/LVS.*Rev.*: JOR/STAD. Beneath, horizontal axe. Denarius.Prou 56, nos. 57-61 var.; Gariel VI, 44-48, VII, 49-51; *BMS* 7.

Meyer Coll., 81; Lockett Coll., 319; Rosenberg March 1914, 478; Cahn Feb. 1931, 3, 1.30 gr.; Cahn Dec. 1932, 1201; Münz u. Med. Dec. 1957, 671, 1.32 gr.; Schulman Mar. 1963, 430.

Paris: 1.27 gr., 0.95 gr., 1.10 gr., 1.13 gr., 1.14 gr., 1.16 gr.; Berlin: 1.07 gr., 1.08 gr., 1.18 gr., 1.31 gr., 1.41 gr. (PLATE IV); ANS: 1.18 gr., 1.24 gr.; BM: (E-48-11-6-1) 1.33 gr.; Brussels: 0.90 gr., 0.95 gr., 1.08 gr., 1.11 gr., 1.12 gr., 1.14 gr., 1.16 gr., 1.26 gr., 1.28 gr., 1.34 gr., 1.57 gr.; Copenhagen: (T. 1186) 1.10 gr., (Fortegn. 250) 1.23 gr., (T. 1187) 1.25 gr.; Garrett: (6114) 1.23 gr.; Grierson: 1.25 gr.; The Hague: (547) 0.53 gr., (543) 0.66 gr., (544) 0.78 gr., (539) 0.84 gr., (541) 0.92 gr., (543) 0.93 gr., (540) 1.05 gr., (548) 1.07 gr., (Inv. 17505) 1.20 gr., (Inv. 17646) 1.20 gr., (537) 1.40 gr. (All these exemplars are damaged); Hermitage: 1.15 gr., 1.16 gr.; Munich: 1.13 gr. A second exemplar lost; no weight recorded, Schloss Gotthorp: 0.42 gr., 0.44 gr., 0.48 gr., 0.59 gr., 0.65 gr., 0.66 gr., 0.70 gr., 0.74 gr., 0.75 gr., 0.89 gr., 0.93 gr., 0.99 gr., 1.03 gr., 1.11 gr., 1.12 gr., 1.14 gr., 1.19 gr., 1.20 gr., and fragments of eight other coins. The pieces are all severely damaged; Van Rede: (B1207) 0.96 gr., (B1205) 0.99 gr., (B1204) 1.03 gr., (B1202) 1.10 gr., (B1203) 1.24 gr., (B1206) 1.35 gr.

Find: Jelsum, 1.27 gr., 1.27 gr., 1.01 gr.; Sarzana; Krinkberg; Ilanz II, 1.19 gr.; Gelderland; Haitabu; Prero Darss; Spangereid; Lerchenborg; St. Albans; Worms; Schowen.

100. *Obv.*: +CARLVSEXFR. Cross with one dot in each corner.
Rev.: +DORESTADO. Karolus monogram. Denarius.
 Prou 62; Gariel XIII, 195 (Gariel Coll.).
 Cahn Dec. 1922, 502, 1.80 gr., 503, 1.63 gr., 504, 1.70 gr.; Cahn Oct. 1926, 87, 1.80 gr.; Cahn April 1929, 4, 1.80 gr.; Cahn Feb. 1931, 4, 1.61 gr.; Münzhandl. Basel Dec. 1935, 11; Münzhandl. Basel Oct. 1936, 306. Paris: 1.65 gr.; ANS: 1.42 gr.; Brussels: 1.29 gr., (Inv. 20) 1.35 gr., 1.38 gr., 1.52 gr., 1.54 gr. (var., one dot in each of two diagonal corners of the obv. cross), 1.56 gr., (Inv. 19) 1.58 gr., 1.72 gr.; Copenhagen: (T. 1191) 1.74 gr. (PLATE IV); The Hague: (553) 1.50 gr.; Hermitage: 1.66 gr., 1.63 gr.; Van Rede: (1211a) 1.40 gr., (B1211) 1.59 gr., (B1208 var., rev. inscription retrograde) 1.68 gr., (B1209) 1.72 gr., (B1210) 1.75 gr. *Find*: Biebrich: 1.63 gr., 1.70 gr. (var., rev. inscription retrograde), 1.80 gr.; Dorestadt (1846); Schowen.
101. *Obv.*: +CARLVSEXFR. Six-armed star in center.
Rev.: +DORESTADO. Karolus monogram. Denarius.
 Gariel XII, 192 (Brussels).
 Brussels: 1.34 gr. (PLATE IV, slightly enlarged).
102. *Obv.*: +CARLVSEXFR. Cross.
Rev.: +DORESTADO. Karolus monogram. Denarius.
 Gariel XIII, 193 (Brussels).
 Brussels: 1.42 gr., 1.49 gr.; The Hague: (Inv. 17506) 1.40 gr., (Inv. 17507) 1.60 gr., (Inv. 17508) 1.60 gr.; Oslo: 1.65 gr.
103. *Obv.*: +CARLVSEXFR. Cross with one dot in each corner.
Rev.: +DORESTADO. Karolus monogram. Denarius.
 Gariel XIII, 194 (Gariel Coll.).
 Berlin: 1.44 gr., 1.49 gr., 1.70 gr. (var.), 1.80 gr.
104. *Obv.*: +COLVSEXFR. Cross with one dot in each corner.
Rev.: +DORESTADO. Karolus monogram. Denarius.
 Gariel XIII, 196 (Gariel Coll.).
 Berlin: 1.27 gr.
105. *Obv.*: KAROLVSIMPAVG. Bust, laureate and draped, to right.
Rev.: DORESTADO. Ship, with cross beneath. Denarius.
 Gariel VI, 43 (Brussels).
 Brussels: 1.48 gr. (PLATE IV, slightly enlarged).

COLOGNE

106. *Obv.*: +CANLV2RE+FN. Cross with V in each corner.
Rev.: +CO+LONIA. Karolus monogram. Denarius.
 Hävernicks, 11; Meyer Coll., 114.
 Berlin: 1.64 gr. (PLATE IV).
Find: Leer.

BONN (?)

107. *Obv.*: CÆO/LVS.*Rev.*: BONA. Above, a cross and a globe; below, a horizontal axe.

Denarius.

Prou 84 = Gariel V, 23.

Paris: 1.04 gr.; Berlin: 1.19 gr. (PLATE IV); Hermitage: 1.22 gr.

Find: Schowen.108. *Obv.*: CÆO/LVS.*Rev.*: BONA. Above, a horizontal axe; below, a crook. Denarius.

Gariel V, 22 (Gariel Coll.).

Gariel Coll., 598.

Berlin: 1.10 gr. (PLATE IV); Brussels: 1.20 gr.

Find: Gelderland.

MAASTRICHT

109. *Obv.*: CÆO/LVS.*Rev.*: TRI/LECT. Denarius.

Prou 87 = Gariel VII, 71.

Paris: 1.28 gr. (PLATE V).

LIÈGE

110. *Obv.*: CÆO/LVS.*Rev.*: LEO/DICO. Denarius.

Prou 95 = Gariel VII, 60.

Frère 1 (4 minor varieties); Garthe Coll., 3732; Cahn Dec. 1932, 1202.

Paris: 0.97 gr.; Brussels: 1.00 gr. (Garthe specimen); The Hague: (549)

1.10 gr. (PLATE V); Liège: (De Saulcy specimen).

DINANT

111. *Obv.*: CÆO/LVS.*Rev.*: DEO/NEII, with a bar between the lines. Denarius.

Prou 96; Gariel VI, 41 (Gariel Coll.), 42 (Musée de Namur).

Gariel Coll., 603; Hamburger Nov. 1912, 9; Schulman Oct. 1913, 355.

Paris: 0.68 gr.; Berlin: 0.91 gr., 1.30 gr. (PLATE V); Brussels: 1.14 gr.,

1.24 gr., 1.25 gr.; Munich: 1.05 gr.; Schloss Gottharp: fragment.

Find: Bel-Air; Krinkberg; Gelderland.112. *Obv.*: CÆO/LVS.*Rev.*: DEO/TIIAN, with a bar between the lines and three dots arranged horizontally beneath the second line. Denarius.

Gariel VI, 40 (Brussels).

Brussels: 1.39 gr. (PLATE V).

CONDÉ-SUR-L'ESCAUT

113. *Obv.*: C $\overline{\text{A}}\text{O}$ /LVS.
Rev.: CON/DAT, with a bar between the lines and a vertical axe at left. Denarius.
 Prou 112; Gariel VI, 39 (Lausanne).
 Paris: 0.83 gr. (PLATE V); Brussels: 1.21 gr.
Find: Bel-Air.

TRIER

114. *Obv.*: C $\overline{\text{A}}\text{O}$ /LVS.
Rev.: +T \cdot R \cdot E. Denarius.
 Cahn March 1926, 6, 1.02 gr.
Find: Trier.
115. *Obv.*: +CARLVSRERFR. Cross.
Rev.: +TREVERIS. Karolus monogram. Denarius.
 Gariel XIII, 215 (Gariel Coll.), 217 (var., Gariel Coll.).
 Gariel Coll., 676.
 Brussels: 1.62 gr.; Berlin: (PLATE V).
116. *Obv.*: KAROLVS...VD. Bust, laureate and draped, to right.
Rev.: TREVER... City gate, with one dot beneath. Denarius.
 Berlin: 1.96 gr. (PLATE V).
Find: Trier.

METZ

117. *Obv.*: C $\overline{\text{A}}\text{O}$ /LVS.
Rev.: ME/TT-/IS. Obolus.
 Gariel L, 46 (Robert, pl. XII, 5).

VERDUN

118. *Obv.*: C $\overline{\text{A}}\text{O}$ /LVS.
Rev.: V, R, D, N, in the corners of a cross. Denarius.
 Prou 143.
 Paris: 0.74 gr.
119. *Obv.*: C $\overline{\text{A}}\cdot$ /LVS, with a star between the lines.
Rev.: +VIRDVN. Cross. Denarius.
 Prou 144 = Gariel XI, 150.
 Gariel Coll., 642.
 Paris: 1.07 gr. (PLATE V).

120. *Obv.*: CARO/LVS.

Rev.: +VIRDVN. Dot in a beaded circle. Denarius.

Schloss Gotthorp: 0.56 gr. (damaged).

Find.: "Jura," 0.88 gr., 1.11 gr., 1.20 gr.; Krinkberg.

121. *Obv.*: CARO/LVS.

Rev.: VIRDVNS. Globule in a circle. Denarius.

Gariel XI, 151 (Gariel Coll.).

Gariel Coll., 642.

Berlin: 0.92 gr.

Find.: "Jura," 1.22 gr.

QUENTOVIC

121a. *Obv.*: KAROLVSIMPAVG. Bust laureate to right.

Rev.: QVENTVVVIC. Sailing boat. Denarius.

Münz. u. Med. Nov. 1964, 5, 1.65 gr. (described as unpublished and unique).

Francia

TOURNAI

122. *Obv.*: CARO/LVS.

Rev.: TOR/ +NA+ /CO, with one bar below the first line and one bar below the second. Denarius.

Prou 203 = Gariel X, 137.

Paris: 1.09 gr. (PLATE V).

ARRAS

123. *Obv.*: CARO/LVS.

Rev.: AD·RA/DI·S. Denarius.

Prou 214 = Gariel V, 14.

Paris: 1.10 gr. (PLATE V).

AMIENS

124. *Obv.*: CAR/LVS.

Rev.: HM/BIAN. Denarius.

Gariel V, 4 (Combrouse, pl. XII, 2).

The Hague: (lost, no weight recorded).

ST-FIRMIN (AMIENS)

125. *Obv.*: C~~R~~o/LVS.
Rev.: ~~SC~~I/FIRMI/NI+. Denarius.
 Prou 228, 229 = Gariel IX, 117.
 Meyer Coll., 95; DuLac Coll. II, 472; Cahn Dec. 1932, 1210; Münz. u. Med. July 1955, 492.
 Paris: 1.10 gr., 1.10 gr.; ANS: 1.29 gr. (var.); Vienna: 1.12 gr. (PLATE V).
126. *Obv.*: CA/ROL/REX.
Rev.: ~~SC~~I/FIRMI/NI+. Denarius.
 Prou 230 = Gariel IX, 118.
 Paris: 1.18 gr. (PLATE V).

LAON

127. *Obv.*: C~~R~~o/LVS.
Rev.: JAV/DVII. Denarius.
 Schloss Gotthorp: 0.76 gr. (damaged).
Find: Krinkberg.
128. *Obv.*: C~~R~~o/LVS.
Rev.: L'A'VDVI. Cross. Denarius.
 Prou 268; Gariel VII, 60 (Gariel Coll.).
 Münz u. Med. Dec. 1957, 672, 1.15 gr.
 Paris: 1.32 gr.; ANS: 1.15 gr. (PLATE V).
129. *Obv.*: C ~~R~~o/LVS.
Rev.: L!AVDVH. Cross. Denarius.
 Gariel VII, 61 (Gariel Coll.).
 Meyer Coll., 83; Bordeaux Coll., 170 (ex Meyer); Peus Oct. 1955, 1.
 Berlin: (PLATE V).
130. *Obv.*: +CARLVSREXFR. Cross with one dot in each corner.
Rev.: +LAVDVNO :: Karolus monogram. Denarius.
 Gariel XIII, 198 (RBN 1855, pl. I, 2).
 Biebrich: 1.75 gr.

STE-MARIE (LAON)

131. *Obv.*: +CARLVSREXFR: . . . LAVDWO around a dot.
Rev.: +S-CAMARIA. Karolus monogram. Denarius.
 Prou 267.
 Paris: 1.79 gr.

132. *Obv.*: +CARLVSREXFR. LADVNO around a cross.
Rev.: +SCAMARIA. Karolus monogram. Denarius.
 Gariel XIII, 199 (DuLac Coll. II).
 DuLac Coll. II, 475.

RHEIMS

133. *Obv.*: C~~R~~o/LVS.
Rev.: REM/CIVIT, with a bar between the lines. Denarius.
 Prou 291.
 Paris: 0.84 gr.
Find.: Ilanz II, 1.35 gr.
134. *Obv.*: C~~R~~o/LVS.
Rev.: REI~~X~~/CNT, with a bar between the lines. Denarius.
 Prou 292; Gariel IX, 107 (Gariel Coll.).
 Gariel Coll., 632; Meyer Coll., 93; Riechman Dec. 1934, 32.
 Paris: 1.08 gr. (PLATE V); Berlin: 1.12 gr.
Find.: Chézy-l'Abbaye.
135. *Obv.*: C~~R~~o/LVS.
Rev.: REM/∴, with a bar above the monogram. Denarius.
Find.: "Jura," 1.00 gr.

ST-MARIE (RHEIMS)

136. *Obv.*: C~~R~~o/LVS.
Rev.: SCMAR'AREMR. Cross with one dot in each of two diagonal corners. Denarius.
 Prou 289 = Gariel X, 122.
 Meyer Coll., 96.
 Paris: 1.09 gr.
Find.: Chézy-l'Abbaye.
137. *Obv.*: C~~R~~o/LVS.
Rev.: SCMAPIAPCΓ P. Cross with one dot in each corner. Denarius.
 Prou 290 = Gariel X, 121 (also in Gariel Coll., 1.20 gr.).
 Gariel Coll., 634.
 Paris: 0.92 gr.; Berlin: (PLATE V).
138. *Obv.*: C~~R~~o/LVS.
Rev.: SCMAR'AREMR. Cross with two dots in each of two diagonal corners. Denarius.
 Prou 289.
 Paris: 1.09 gr.
Find.: Chézy-l'Abbaye.

139. *Obv.*: CÆO/LVS.

Rev.: SCMAPIAPCIΓ D. Cross with one dot in each corner. At the top of the cross, a smaller cross. Denarius.

Prou 290.

Paris: 0.92 gr.

ST. DENIS

139a. *Obv.*: CARLVSREXFR. Karolus monogram.

Rev.: SCIDVONISII. Cross. Denarius.

Gariel XIII, 212 (Gariel Coll.).

Rousseau Coll., 468; Gariel Coll., 674; Meyer Coll., 125; Münz. u. Med. June 1951, 369.

Berlin: 1.57 gr., 1.77 gr.

Find.: Biebrich, 1.70 gr.

After this catalogue was in order, Völckers published his attribution of a coin of this type to the Biebrich deposit (p. 185: XLII, 31), and it is pleasant duty to acknowledge the plausibility of his argument that Charlemagne, not Charles the Bald, was the issuer.

ROUEN

140. *Obv.*: CÆO/LVS.

Rev.: R◊D/OM. Denarius.

Paris: 1.20 gr.

141. *Obv.*: +CARLVSREXFR. Cross.

Rev.: +ROTOMAGVS. Karolus monogram. Denarius.

Gariel XIII, 211 (RBN 1852, pl. XIII, 6).

142. *Obv.*: +KARONISIMPAVG. Bust, laureate and draped, to right.

Rev.: +RODMAGVM. City gate. Denarius.

Gariel XXIV, 92 (Combrouse, pl. VII, 4).

Neustria

LE MANS

143. *Obv.*: CÆO/LVS.

Rev.: CINOMANI. Cross with one dart in each of two diagonal corners.

RN 1856, p. 182, pl. V, 3.

144. *Obv.*: CÆO/LVS.

Rev.: CINOIIM. Cross. Denarius.

Schloss Gotthorp: 1.10 gr.

Find.: Bel-Air; Krinkberg.

TOURS

145. *Obv.*: CÆO/LVS.

Rev.: TVRNIS. Cross in a circlet of dots. Denarius.

Gariel X, 139 (Gariel Coll.).

Riechman Nov. 1924, 16; Riechman April 1928, 622; Hamburger Nov. 1928, 822; Münz. u. Med. July 1955, 494; Kress Oct. 1960, 1374.

Berlin: 1.16 gr.; ANS: 1.25 gr.; Stuttgart: (2v8466, var.) 1.09 gr.

146. *Obv.*: CÆO/LVS.

Rev.: TVR^{AI} ~. Cross. Denarius.

Berlin: 1.13 gr.

147. *Obv.*: +CARLVSREXFR. Cross.

Rev.: +TVRONIS. Karolus monogram. Denarius.

Prou 443; Gariel XIII, 214 (Gariel Coll.), XXIV, 73 (Gariel Coll.).

Rousseau Coll., 326; Gariel Coll., 675, 854; Meyer Coll., 129; Cahn Dec. 1932, 1221.

Paris: 1.65 gr.; Berlin: 1.55 gr., 1.58 gr., 1.63 gr. (PLATE VI); ANS: 1.61 gr.; Brussels: 1.49 gr., (Inv. 28) 1.67 gr.; Copenhagen: (T. 1205) 1.45 gr. (PLATE VI); The Hague: (Inv. 17641) 1.40 gr., (Inv. 17579) 1.60 gr.; Munich: 1.69 gr.

Find: Dorestadt (1846); Biebrich: 1.60 gr.

ST-MARTIN (TOURS)

148. *Obv.*: CÆO/LVS, with a bar between the lines.

Rev.: +SCIM^{AI}TINI. * in a beaded circle. Denarius.

Berlin: 1.19 gr.

149. *Obv.*: CÆO/LVS, with a bar between the lines.

Rev.: +SCIM^RTINI. Cross. Denarius.

Prou 440; Gariel X, 124 (Gariel Coll.); BMS 8.

Gariel Coll., 635.

Paris: 1.33 gr.; Berlin: 1.19 gr., 1.23 gr., 1.24 gr. (PLATE VI); BM: (57-9-1-9. IGP), 1.27 gr.

Find: Imphy.

150. *Obv.*: CÆO/LVS, with a bar between the lines.

Rev.: +SCIMARTIN. Circle of nine points. Denarius.

Gariel X, 123 (Sarzana find).

Cahn April 1912, 3.

Berlin: (PLATE VI).

Find: Sarzana.

151. *Obv.*: CÆO/LVS.

Rev.: +SCMARTN. Cross. Denarius.

Find: Ilanz II, 1.28 gr.

CHARTRES

152. *Obv.*: CÆO/LVS.

Rev.: Man standing, full front, both arms extended, and holding a cross in each hand. Dots in field. Denarius.

Gariel VI, 28 (Ponton d'Amécourt Coll., Imphy find).

Berlin: 1.34 gr. (PLATE VI).

Find: Imphy.

153. *Obv.*: CÆO/LVS.

Rev.: CARNOTIS. In center, S. Denarius.

Prou 488; Gariel VI, 25 (Gariel Coll.).

Gariel Coll., 599; Hamburger Nov. 1912, 8; Münzhandl. Basel Oct. 1936, 302; Münz u. Med. Dec. 1957, 669, 1.21 gr.; Kress Oct. 1960, 1369.

Paris: 1.39 gr.; Berlin: 1.15 gr.; ANS: 1.21 gr. (PLATE VI); Grierson: 0.66 gr. (damaged); Munich: 1.12 gr.; Schloss Gotthorp: 0.84 gr.

Find: Jelsum; "Jura," 1.16 gr.; Krinkberg; Ilanz II, 1.22 gr.

154. *Obv.*: CÆO/LVS.

Rev.: +CARNOTAS. Cross. Denarius.

Prou 489; Gariel VI, 26 (RN 1846, p. 124), XLIX, 16 (RN 1846, p. 125).

Meyer Coll., 77; Münz. u. Med. Dec. 1957, 670, 1.28 gr.; Kress Oct. 1960, 1368.

Paris: 1.05 gr. (PLATE VI).

155. *Obv.*: CAR•/LVS.

Rev.: +CARNOAS. Cross. Denarius.

Gariel VI, 27 (RN 1846, p. 124).

156. *Obv.*: CAR/LVS/R.

Rev.: +CARNOTIS. Cross. Denarius.

Gariel XLIX, 16 (RN 1846, p. 125).

CHATEAUDUN

157. *Obv.*: +CÆLVSR. Cross.

Rev.: Ð L N/NOS. Denarius.

Prou 938 = Gariel VII, 53.

Paris: 1.31 gr.

158. *Obv.*: CÆO/LVS.

Rev.: DV/NO, with a bar between the lines and two dots at each end of the bar. Denarius.

Munich: 1.36 gr.

7*

159. *Obv.*: +CARLVSREXF. Cross.
Rev.: +DVNNOS. Karolus monogram. Denarius.
 Gariel XIII, 197 (Voillemier Coll.).
 Meyer Coll., 118; Cahn April 1899, 6; Rosenberg Nov. 1904, 12; Rosenberg 1906, 4.
 Berlin: (PLATE VI).
160. *Obv.*: +CARLVSREXF. Cross.
Rev.: +CASTELDVN. Karolus monogram. Denarius.
 Gariel XII, 190 (Combrouse, pl. X, 4).
 Berlin: (PLATE VI).

Burgundy

TROYES

161. *Obv.*: CÆO/LVS.
Rev.: TRI/•G•+• Denarius.
 Prou 541 = Gariel VIII, 73.
 Paris: 1.04 gr. (PLATE VI); Brussels: 1.27 gr.
Find: Gelderland.
162. *Obv.*: CÆO/LVS.
Rev.: CA2/•-•/TRIC. Denarius.
 Prou 542; Gariel VII, 72.
 Paris: 1.15 gr. (PLATE VI).

LANGRES

163. *Obv.*: :KÆO/LVS.
Rev.: •LIN/:GO•/NIS. Denarius.
 Schloss Gotthorp: 0.98 gr.
Find: Krinkberg.

LYON

164. *Obv.*: CÆO/LVS.
Rev.: LVſ. Denarius.
 Prou 627; Gariel VII, 68 (Gariel Coll.).
 Gariel Coll., 611; Kricheldorf June 1961, 318.
 Paris: 1.30 gr.; Berlin: 1.14 gr. (PLATE VI).
Find: Imphy; Ilanz II, 1.32 gr.

165. *Obv.*: CAR•/LVS.

Rev.: L•U5 /•/DUN/•. Denarius.

Prou 628; Gariel VII, 69 (Gariel Coll.).

Gariel Coll., 612 (two pieces); Hamburger Nov. 1912, 10; Helbing Dec. 1917, 3; Schlessinger March 1930, 1483; Ratto Dec. 1930, 2383; Blaser-Frey June 1963, 1.

Paris: 1.15 gr.; Berlin: 1.28 gr. (PLATE VI); ANS: 1.18 gr.; Blunt: 1.17 gr.; Hannover: (Inv. 1930.10) 1.20 gr.; Schloss Gotthorp: 1.21 gr., 1.23 gr., a third exemplar, unweighed.

Find.: Imphy; Krinkberg.

166. *Obv.*: +CARLVSREXFR. Cross.

Rev.: +LVGDVNVM. Karolus monogram. Denarius.

Prou 629; Gariel XIII, 200 (Gariel Coll.).

Gariel Coll., 668; Hamburger Sept. 1926, 2; Cahn Oct. 1926, 88, 1.65 gr. Paris: 1.64 gr.; Berlin: 1.76 gr. (PLATE VI); Copenhagen: (T. 1192) 1.38 gr.; Van Rede: (B1248) 1.27 gr.

Find.: Ibersheim, 1.57 gr.; Biebrich: 1.67 gr.

167. *Obv.*: +KAROLVSIMPAVG. Bust, laureate and draped, to right.

Rev.: +LVGDVNVM. City Gate. Denarius.

Gariel XXIV, 90 (Gariel Coll.).

Gariel Coll., 863.

Berlin: 1.91 gr. (PLATE VI).

Find.: Achlum.

BESANÇON

168. *Obv.*: CÆo/LVS.

Rev.: ^IE/SON, with a bar between the lines. Denarius.

Gariel V, 20 (Gariel Coll.).

Gariel Coll., 597.

Berlin: 1.04 gr. (PLATE VI).

Brittany

RENNES

169. *Obv.*: CÆ/LVS.

Rev.: RED̄/NIS. Denarius.

Prou 649 = Gariel IX, 110.

Paris: 1.24 gr.

170. *Obv.*: CARO/LVS.

Rev.: REDO/NIS, with a bar between the lines. Denarius.

Prou 650; Gariel IX, 108 (Gariel Coll.), 109.

Gariel Coll., 633.

Paris: 1.22 gr.; Berlin: 1.18 gr.

171. *Obv.*: CARO/LVS.

Rev.: RÐD/OM. Denarius.

Cahn April 1912, 2.

Aquitaine

MELLE

172. *Obv.*: +CARLVSREXFR. Cross.

Rev.: METVLLO. Karolus monogram. Denarius.

Prou 688; Gariel XIII, 209 (Gariel Coll.).

Gariel Coll., 673; Cahn Dec. 1922, 496, 1.50 gr.; Helbing Oct. 1927, 2381; Riechman April 1928, 624; Münzhandl. Basel Dec. 1935, 12; Münz u. Med. July 1955, 495; Kricheldorf May 1956, 328; Kress Oct. 1960, 1371. Paris: 1.67 gr.; Berlin: 1.59 gr., 1.62 gr., 1.65 gr., 1.66 gr., 1.67 gr., 1.70 gr., 1.73 gr. (PLATE VI); ANS: 1.68 gr.; Brussels: (Inv. 25) 1.72 gr., 1.76 gr.; Munich: 1.62 gr., 1.51 gr.; Vienna: 1.60 gr.

Find.: Bondeno (?); Böbingen; Ibersheim, 1.71 gr., 1.73 gr., 1.77 gr.; Belvézet; Steckborn; Biebrich: 1.30 gr.; Dorestadt (1846).

This type was also struck extensively under Charles the Bald, and additional entries will be found under his name.

BOURGES

173. *Obv.*: +CARLVSREXFR. Cross.

Rev.: +BITVRICAS. Karolus monogram. Denarius.

Prou 728; Gariel XXII, 38 (Gariel Coll.).

Gariel Coll., 824; Rousseau Coll., 312, 313, 378; Cahn April 1912, 5; Cahn Dec. 1922, 501, 1.70 gr.; Riechman Nov. 1924, 12; Kress Dec. 1956, 459. Paris: 1.59 gr.; Berlin: 1.57 gr. (PLATE VII); ANS: 1.66 gr.; The Hague: (556) 1.65 gr., (Inv. 17594) 1.70 gr.

Find.: Biebrich, 1.70 gr.

174. *Obv.*: +CARLVSREXFR. Cross with one dot in each corner.

Rev.: +BITVRICAS. Karolus monogram. Denarius.

Prou 729, 730, 731, 732; Gariel XXII, 43 (Gariel Coll.).

Gariel Coll., 829; Cahn Dec. 1922, 500, 1.72 gr.

Paris: 1.80 gr., 1.70 gr., 1.77 gr., 1.66 gr.; Berlin: 1.67 gr., 1.68 gr. (PLATE VII); Grierson: 1.63 gr., 1.69 gr.

Find.: Biebrich.

175. *Obv.*: +CARLVS+RE. Cross.
Rev.: +BITVRICAS• Karolus monogram. Denarius.
 Gariel XXII, 42 (Gariel Coll.).
 Gariel Coll., 828.
 Berlin: 1.42 gr.

CLERMONT

176. *Obv.*: CARO/LVS.
Rev.: R/R/NIS. Denarius.
 Prou 763; Gariel VI, 29 (Gariel Coll.), 30 (Ponton d'Amécourt Coll.).
 Gariel Coll., 600; Meyer Coll., 78.
 Paris: 1.05 gr., (763a) 1.15 gr.; Berlin: 1.26 gr.

AGEN

177. *Obv.*: +CARLVSEXFR. Cross.
Rev.: +AϺINO. Karolus monogram. Denarius.
 Prou 792.
 Paris: 1.36 gr. (PLATE VII); Garrett: (6134) 1.73 gr.
Find: Ibersheim, 1.64 gr.
178. *Obv.*: +CARLVSRXFR. Cross.
Rev.: +AGINNO. Karolus monogram. Denarius.
 Prou 793.
 Cahn April 1912, 4; Kricheldorf Nov. 1960, 295; Théry Coll. 1963, 383.
 Paris: 1.60 gr.; ANS: 1.64 gr.; Brussels: 1.25 gr.; Grierson: 1.24 gr.
Find: Biebrich; Dorestadt (1846).
179. *Obv.*: +CARLVSREXFR. Cross.
Rev.: +AGINNO. Karolus monogram. Denarius.
 Prou 794; Gariel XXII, 26 (Gariel Coll.).
 Gariel Coll., 816; Rousseau Coll., 309; Cahn Dec. 1922, 407, 1.60 gr.;
 Hamburger Nov. 1912, 49; Kress Oct. 1960, 1429.
 Paris: 1.50 gr.; Berlin: 1.45 gr., 1.64 gr.; ANS: 1.57 gr.; Blunt: 1.23 gr.;
 Brussels: 1.25 gr.; Copenhagen: (K. P. 724) 1.31 gr. (PLATE VII); Grierson: 1.57 gr.
Find: Biebrich, 1.60 gr.

Gascony

DAX (?)

180. *Obv.*: +CARLVSREXFR. Cross.
Rev.: +CIAGVIS. Karolus monogram. Denarius.
 Gariel XII, 185 (Gariel).
 Gariel Coll., 662; Meyer Coll., 116.
 The Hague: (Inv. 17649) 1.70 gr. (var. +CIXIAϷVl̄s).

Toulousain

TOULOUSE

181. *Obv.*: +CARLV SREXFR. Cross.

Rev.: +TOLVSA. Karolus monogram. Denarius.

Prou 801, 802, 800 (var.)

Rousseau Coll., 323, 324, 325, 381 (TOLOAS); Cahn June 1903, 1; Cahn Dec. 1922, 498, 1.60 gr.; Cahn Dec. 1922, 499, 1.55 gr.; Kress Nov. 1966, 1480.

Paris: 1.63 gr., 1.40 gr., 1.52 gr.; ANS: 1.36 gr. (damaged); Copenhagen: (K. P. 7211) 1.49 gr.; The Hague: (Inv. 17619) 1.40 gr., (Inv. 17620) 1.40 gr., (Inv. 17621) 1.40 gr., (Inv. 17622) 1.50 gr. (PLATE VII); Vienna: 1.59 gr.

Find.: Biebrich, 1.55 gr., 1.60 gr.; Schowen.

Septimania

BÉZIERS

182. *Obv.*: C~~A~~RO/LVS.

Rev.: BE, TE, RR, IS, in the arms of a cross. Denarius.

Engel and Serrure, p. 206.

Find.: Mosciano San Angelo.

183. *Obv.*: +CARLV SREXFR. Cross.

Rev.: +BEDERRIS. Karolus monogram. Denarius.

Gariel XXII, 36 (van der Chijs, pl. XII, 32).

Find.: Bondeno.

NARBONNE

184. *Obv.*: C~~A~~RO/LVS.

Rev.: N, R, B, \diamond , in the corners of a cross. Two curved bars extend symmetrically from each end of the cross. Denarius.

Gariel IX, 101 (Gariel Coll.).

Gariel Coll., 629.

Berlin: 1.12 gr. (PLATE VII).

185. *Obv.*: +CARLV SREXFR. Cross.

Rev.: +NARBONA. Karolus monogram. Denarius.

Prou 835; Gariel XXIII, 62 (Gariel Coll.).

Rousseau Coll., 321; Gariel Coll., 840; Cahn Dec. 1932, 1217, 1218; Münz. u. Med. Dec. 1957, 685, 1.14 gr.; Kricheldorf Nov. 1960, 297, 298.

Paris: 1.19 gr.; Berlin: 1.11 gr., 1.54 gr., 1.74 gr.; ANS: 1.14 gr. (PLATE VII); Brussels: 1.32 gr.; The Hague: (557) 1.10 gr.

Find.: Schowen.

Spanish March

AMPURIAS

186. *Obv.*: +CARLVSEXFR. Cross.
Rev.: +INPVRIAS. Karolus monogram. Denarius.
 Gariel XXII, 27 (Gariel Coll.).
 Gariel Coll., 817; Heiss, p. 134, pl. 87, 2.
 Berlin: 1.01 gr. (PLATE VII).

GIRONA

187. *Obv.*: +CARLVSEXFR. Cross.
Rev.: +SERVND. Karolus monogram. Denarius.
 Prou 829; Gariel XXIII, 56 (Gariel Coll.).
 Gariel Coll., 836.
 Paris: 1.38 gr.; Berlin: 0.81 gr. (damaged); Hermitage: (PLATE VII).

BARCELONA

188. *Obv.*: +CARLVSEX. Cross.
Rev.: +BARCINONA* (retrograde). Karolus monogram. Denarius.
 Gariel XXII, 34 (Gariel Coll.).
 Gariel Coll., 822; Heiss, p. 57, pl. 77, 1 (var. +BVRCINONA).
 Berlin: 1.10 gr., 1.35 gr.
189. *Obv.*: +CARLVSEXFR. Cross.
Rev.: +BARCINONA. Karolus monogram. Denarius.
 Gariel XXII, 35 (V. Ramm Coll.).

Provence

AVIGNON

190. *Obv.*: CARO/LVS.
Rev.: A, VI, NI, O, in the corners of a cross. Bar above. Denarius.
 Prou 851 = Gariel V, 17.
 Paris: 1.13 gr.

VIENNE

191. *Obv.*: +CARLVSEXFR. Karolus monogram.
Rev.: +VIEN+NA. Cross. Denarius.
 Gariel XIII, 216 (Fillon, Lettres à Dugast-Matifeux).
Find: Biebrich (?), 1.75 gr.

ARLES

192. *Obv.*: +CARLVSR'EXFR. Karolus monogram.
Rev.: +AR'ELATO. Cross. Denarius.
 Gariel XII, 187 (Cabinet de France, perhaps Prou 854).
193. *Obv.*: +CA'RLVSREXFR. Karolus monogram.
Rev.: +AR'EL'ATO. Cross. Denarius.
 Gariel XXII, 31 (Gariel Coll.), 33 (Gariel Coll., var.).
 Gariel Coll., 821; Schulman June 1961, 159.
 ANS: 1.40 gr.
194. *Obv.*: +CARLV'SR'EXFR. Karolus monogram.
Rev.: +A'R'EL'ATO. Cross. Denarius.
 Prou 852.
 Cahn Dec. 1932, 1216 (var.).
 Paris: 1.53 gr.; Groningen Museum: (1610 var); The Hague: (Inv. 17625)
 1.00 gr., (Inv. 17627) 1.29 gr., both damaged.
195. *Obv.*: +CARLVSR'EXFR. Karolus monogram.
Rev.: +ARELATO. Cross. Denarius.
 Prou 855 = Gariel XII, 186; BMS 9.
 Paris: 1.67 gr.; BM: (48-2-15-43) 1.27 gr.; The Hague: (Inv. 17626)
 0.90 gr. (fragment), (552) 1.15 gr., (Inv. 17623) 1.40 gr., (Inv. 17624)
 1.40 gr.
Find.: Leer.
196. *Obv.*: +CARLVSR'EX'FR. Karolus monogram.
Rev.: +AR'E'LATO. Cross. Denarius.
 Prou 853 = Gariel XXII, 32.
 Paris: 1.56 gr.; Berlin: 1.11 gr.; ANS: 1.40 gr.; Grierson: 1.53 gr. (var.).
Find.: Ibersheim (var.), 1.57 gr.
197. *Obv.*: +CARLVSR'EXF'R'. Karolus monogram.
Rev.: AR'ELATO. Cross. Denarius.
 Prou 854.
 Hamburger Nov. 1912, 19; Meyer Coll., 111.
 Paris: 1.49 gr.; Berlin: (PLATE VII); ANS: 1.48 gr.; Grierson: 1.67 gr.
 (var.).
Find.: Schowen.
198. *Obv.*: DNKARLVSIMPAVGREXFETL. Bust, laureate and draped,
 to right.
Rev.: AT'OELAR'E. City gate, degenerate. Denarius.
 Gariel V, 9 (Gariel Coll., 1.70 gr.).
 Gariel Coll., 593.
 Berlin: 1.65 gr. (PLATE VII).

MARSEILLE

199. *Obv.*: C \overline{A} RO/LVS.
Rev.: M, \overline{A} , S \cdot , S \cdot , in the corners of a cross. Above the cross, a bar; three dots at its feet. Denarius.
 Berlin: 1.07 gr. (PLATE VII).
200. *Obv.*: C \overline{A} RO/LVS.
Rev.: M, A, SL, S, in the corners of a cross. A bar above.
 Denarius.
 Prou 884 = Gariel VIII, 79.
 Gariel Coll., 615.
 Paris: 1.29 gr. (PLATE VII).
201. *Obv.*: C \overline{A} RO/LVS.
Rev.: II, A, S \cdot , S \cdot , in the corners of a cross. A bar above, a dot beneath. Denarius.
 Prou 885; Gariel VIII, 78 (Marseille), 76 (Marseille), 77 (Marseille, var.).
 Paris: 1.11 gr. (PLATE VII); Berlin: 0.83 gr., 0.96 gr., 1.14 gr.; Schloss Gotthorp: 1.02 gr.
Find.: Krinkberg.
202. *Obv.*: +CARLV \overline{S} REXFR. Karolus monogram.
Rev.: +MASSILIA. Cross. Denarius.
 Gariel XIII, 201 (Marseille).
203. *Obv.*: +CARLV \overline{S} REXFR. Cross.
Rev.: +MASSILIA. Karolus monogram. Denarius.
 Gariel XIII, 202 (Fillon, Lettres à Dugast-Matifeux).

Italy

PARMA

204. *Obv.*: C \overline{A} RO/LVS.
Rev.: R F, separated by P-R/A/M. Denarius.
 Gariel XI, 166 (*RN* 1856, pp. 188–189).
Periodico di Numismatica e Sfragistica, II (1869), pl. I, 1.
Find.: Domburg.
205. *Obv.*: C \overline{A} RO/LVS.
Rev.: P, A, R, M, in the corners of a cross, centering upon a circlet. Denarius.
Periodico di Numismatica e Sfragistica, II (1869), pl. I, 2; *CNI* IX, p. 395, 2–4.

206. *Obv.*: CARO/LVS.

Rev.: P'A'R/'M'A'. Denarius.

CNI IX, p. 395, 5.

The Hague: (551) 0.92 gr.

Find.: Ilanz II, 1.16 gr.

PAVIA

207. *Obv.*: +CARLVSREXFR. Cross.

Rev.: +PAPIA. Karolus monogram. Denarius.

Prou 897; BMS 10.

CNI IV, pp. 466–468, 2–23; Rousseau Coll., 333; Cahn Dec. 1922, 508, 1.40 gr.; Cahn March 1926, 14, 1.70 gr.; Cahn Oct. 1926, 84, 1.80 gr., 85, 1.60 gr.; Cahn April 1929, 5, 1.78 gr.; Cahn Oct. 1929, 890, 1.40 gr.; Helbing Oct. 1933, 1525; Münz. u. Med. Dec. 1949, 466; Lockett Coll., 323; Münz. u. Med. Nov. 1961, 256, 1.47 gr.

Paris: 1.40 gr.; ANS: 1.43 gr., 1.70 gr. (PLATE VIII); BM: (55–6–12–492. IGP) 1.71 gr.; Brussels: 1.32 gr.; Grierson: 1.54 gr.; The Hague: (Inv. 17629) 1.60 gr.; Munich: 1.30 gr., 1.64 gr., 1.65 gr., 1.72 gr.; Oslo: 1.63 gr.; Papadopoli: (121–124) 1.32 gr., 1.50 gr., 1.58 gr., 1.59 gr., 1.67 gr.; Stuttgart: (2v4982) 1.59 gr., (2v8501) 1.64 gr.; Vienna: 1.69 gr., 1.72 gr.; Yale: 1.70 gr.

Find.: Bondeno; Ibersheim: 1.43 gr., 1.70 gr., 1.72 gr., 1.76 gr.; Biebrich, 1.40 gr.; Ilanz II, 1.58 gr.; Belvêzet; Dorestadt (1846); Mainz (St. Alban); Schowen.

208. *Obv.*: +CARLVSREXFR. Cross.

Rev.: +P•APIA. Karolus monogram. Denarius.

Gariel XII, 179 (Brussels).

Berlin: 1.56 gr., 1.62 gr., 1.64 gr., 1.76 gr.; Brussels: 1.48 gr.; The Hague: (Inv. 17651) 1.00 gr., (Inv. 17630) 1.30 gr., (Inv. 17631) 1.40 gr.; Stuttgart: (Π6.1951/242) 1.49 gr.

209. *Obv.*: +CARL'VSREXFR. Cross.

Rev.: +PAPIA. Karolus monogram. Denarius.

Prou 898.

Paris: 1.69 gr.

210. *Obv.*: +CARLVSREXFR. Cross.

Rev.: +PA•PIA. Karolus monogram. Denarius.

Prou 899.

Paris: 1.53 gr.

MILAN

211. *Obv.*: CARO/LVS.

Rev.: MED/IO 4. Denarius.

Find.: Ilanz II, 1.27 gr.

212. *Obv.*: +CARLVSREXFR. Cross.

Rev.: +MEDIOI4. Karolus monogram. Denarius.

Prou 905, 906; Gariel XII, 178 (Gariel Coll.); *BMS* 11, 12.

Gariel Coll., 654; *CNI* V, p. 5f., 24-32. Rousseau Coll., 330-332; Cahn March 1926, 13, 1.65 gr.; Münz. u. Med. Dec. 1957, 674, 1.59 gr.; Cahn Oct. 1929, 889, 1.62 gr.; Helbing Oct. 1933, 1295; Münz u. Med. Dec. 1949, 465; Lockett Coll., 322; Kricheldorf Nov. 1960, 296; Nascia Oct. 1965, 262; Kress Nov. 1966, 1462.

Paris: 1.61 gr., 1.67 gr.; Berlin: 1.55 gr., 1.75 gr., 1.76 gr., 1.77 gr. (PLATE VIII); ANS: 1.30 gr.; Assen Museum: (M1870) 1.70 gr.; Blunt: 1.63 gr.; BM: (57-9-1-3. IGP) 1.67 gr., (1906-11-3-4061. Parkes Weber Gift) 1.61 gr.; Garrett: (6116) 1.51 gr.; Grierson: 1.72 gr.; The Hague: (Inv. 17636) 1.70 gr. (damaged), (555) 1.18 gr. (damaged), (Inv. 17635) 1.60 gr.; Hannover: (Inv. 1931.27) 1.74 gr.; Munich: 1.44 gr.; Oslo: 1.63 gr.; Papadopoli: (127) 1.48 gr., (128) 1.50 gr.; Vienna: 1.52 gr., 1.60 gr., 1.77 gr.; Yale.

Find: Bondeno; Ibersheim, 1.58 gr., 1.70 gr.; Dorestadt (1846); Roswinkel, 1.70 gr.; Burgheim.

CASTEL SEPRIO

212a. *Obv.*: CÆROLVS within a beaded circle. Raised point in the center.

Rev.: SEBRIO, in the form of a cross within a beaded circle.

Zürich (Schweizerische Landsmuseum): 1.20 gr.

Find: Grosso in the Mesolcina.

TREVISIO

213. *Obv.*: CÆro/LVS.

Rev.: +TARVISIVS. Cross. Denarius.

Gariel XII, 180 (Gariel Coll.).

CNI VI, p. 226f., 1-7.

Berlin: 1.36 gr.

Find: Vercelli.

214. *Obv.*: CÆro/LVS.

Rev.: +TARVISIVS. Cross in a beaded circle. Denarius.

Gariel XII, 181 (Gariel Coll.).

Gariel Coll., 656; Meyer Coll., 106; Lockett Coll., 324.

Vienna: 1.15 gr.; Berlin: (PLATE VIII).

Find: Ilanz II, 1.27 gr.

215. *Obv.*: Karolus monogram. with one group of three dots in each corner.

Rev.: +TARVISIO•Ball at center. Denarius.

Prou 911.

CNI VI, p. 227, 13.

Paris: 1.23 gr.; Vienna: 1.17 gr.

216. *Obv.*: Karolus monogram, with one group of three dots in each corner.
Rev.: +TARVISO. Ball at center. Denarius.
 Gariel XII, 183 (Gariel Coll.).
 CNI VI, p. 227, 12; Gariel Coll., 658; Meyer Coll., 108; Hess June 1888, 45.
 Berlin: 1.11 gr. (PLATE VIII).
Find: Ilanz II, 1.31 gr., 1.32 gr.
217. *Obv.*: Karolus monogram.
Rev.: +TARVISO. Ball at center. Denarius.
 CNI VI, p. 227, 8-10.
218. *Obv.*: Karolus monogram.
Rev.: +TARVIS. Ball at center. Denarius.
 CNI VI, p. 227, 11.
219. *Obv.*: Karolus monogram, quartered by RE/X/FR/R:.
Rev.: +TARVISIO. Ball at center. Denarius.
 CNI VI, p. 227, 14.
220. *Obv.*: +CARLVSREXFR. Cross.
Rev.: +TARVIS. Karolus monogram. Denarius.
 Prou 912; Gariel XII, 182 (Gariel Coll., var.); BMS 13.
 CNI VI, p. 228, 15-24 (var.); Gariel Coll., 657; Meyer Coll., 107; Münz. u. Med. Nov. 1961, 281.
 Paris: 1.49 gr., (912a) 1.70 gr.; Berlin: 1.46 gr., 1.52 gr. (PLATE VIII);
 ANS: 2.11 gr. (genuine?); BM: (57-9-1-4. IGP fragment) 1.24 gr.;
 Copenhagen: (K. P. 1716) 1.20 gr.; Garrett: (6117) 1.50 gr.; Grierson: 1.68 gr., 1.73 gr., 1.89 gr.; The Hague: (Inv. 17642) 1.40 gr., (Inv. 17643) 1.50 gr.
Find: Bondeno; Dorestadt (1846).

LUCCA

221. *Obv.*: CARo/LVS.
Rev.: L, V, C, A, in the corners of an elaborate beaded cross.
 Denarius.
 Gariel XII, 174 (Vatican Coll.), 175 (Gariel Coll.).
 CNI, p. 59, 12; Blunt, BNJ 1948, pp. 282f.; Rousseau Coll., 329; Gariel Coll., 652; 653, Hamburger Jan. 1902, 1842; Martinori Coll., 1374.
 Berlin: 1.16 gr. (PLATE VIII).
222. *Obv.*: CARo/LVS.
Rev.: LVCA, in one line. Denarius.
 Gariel XII, 176 (Domenico Massagli Coll.).

223. *Obv.*: +CARLVSREXFR. Cross.
Rev.: +LVCA. Karolus monogram. Denarius.
 Prou 915, 916 (var.); Gariel XII, 177 (Gariel Coll.).
 Paris: 1.50 gr., 1.32 gr.; Berlin: 1.76 gr. (PLATE VIII).
224. *Obv.*: +CARLVSRE+FR. Cross.
Rev.: +P.ISA. Karolus monogram. Denarius.
 CNI XII, p. 286, 2, 3. *Periodico di Numismatica et Sfragistica*, III (1870),
 pl. II, 4.

FLORENCE

225. *Obv.*: CARO/LVSR.
Rev.: FL·O·/·REN· Denarius.
 Gariel XII, 171 (Musée de Voltura).
 CNI XII, p. 1, 1.

Indeterminate Mints

FIRST PERIOD

226. *Obv.*: CARO/LVS.
Rev.: R F, with three dots before the R and one dot between the letters. Denarius.
 Prou 891, 892; Gariel V, 1 (Gariel Coll.), 2 (Ponton d'Amécourt Coll., Imphy find).
 Paris: 1.24 gr., 1.06 gr., (895a) 1.10 gr. (var.); Berlin: 1.05 gr., 1.15 gr., 1.17 gr., 1.22 gr., 1.23 gr.; ANS: 1.18 gr.; Brussels: 1.30 gr., 1.32 gr., 1.33 gr., 1.34 gr.; Copenhagen: (K. Pr. p. 140) 1.10 gr. (PLATE VIII); The Hague: (535) 1.07 gr. (damaged); Munich: 1.05 gr.; Schloss Gotthorp: 0.87 gr., 0.99 gr., and three additional exemplars, unweighed. All these pieces are severely damaged; Stuttgart: (2v5188) 1.02 gr.; Van Rede: (B1207a) 1.30 gr.; Vienna: 1.12 gr. (var).
Find.: "Jura," 1.26 gr.; Sarzana; Krinkberg; Ilanz II, 0.82 gr., 0.92 gr., 0.95 gr., 1.00 gr., 1.01 gr., 1.02 gr., 1.05 gr., 1.05 gr., 1.06 gr., 1.12 gr., 1.18 gr., 1.21 gr., 1.25 gr., 1.26 gr., 1.26 gr., 1.28 gr., 1.28 gr., 1.34 gr., 1.35 gr.; Bonn; Sneek.
227. *Obv.*: CARO/LVS.
Rev.: MF, with one dot in the central corner of the M. Denarius.
 Gariel V, 5 (Gariel Coll.).
 Gariel Coll., 591.
 Berlin: 1.09 gr.
228. *Obv.*: CARO/LVS.
Rev.: +AP. Denarius.
 Gariel V, 6 (Gariel Coll.).
 Meyer Coll., 73.
 Berlin: 1.34 gr.

229. *Obv.*: CARo/LVS.

Rev.: Cross with one dot in each corner, a bar pendent from each end of the cross bar, and curved bars extending symmetrically downward from the head of the cross to the ends of the cross bar. A small cross at the head of the larger. Denarius.

Prou 316; Gariel IX, 104 (Gariel Coll.).

Gariel Coll., 630.

Paris: 1.03 gr.; Berlin: 1.11 gr. (PLATE VIII).

230. *Obv.*: CARo/LVS.

Rev.: Four curved lines forming a cruciform rosette. Denarius.

Gariel VII, 70 (Ponton d'Amécourt Coll.).

Meyer Coll., 87 (ex Imphy).

Berlin: 0.88 gr.; Brussels: 1.18 gr.

231. *Obv.*: CARo/LVS.

Rev.: R⁺F, with C before the R and E between the R and the F. Denarius.

Prou 893; Gariel XI, 164 (Gariel Coll.).

CNI V, p. 6, 34 (as Milan); Lafaurie, *ANSCent. Publ.*, p. 411; Bordeaux Coll., 175; Nascia, Oct. 1965, 261; Ratto March 1957, 329; Nascia March 1966, 578.

Paris: 0.75 gr. (damaged); Berlin: 0.84 gr., 0.99 gr., 1.14 gr., 1.26 gr.; ANS: 0.97 gr. (PLATE VIII).

Find.: Bel-Air; Sarzana.

232. *Obv.*: CARo/LVS.

Rev.: R⁺F, with V between the R and the F. Denarius.

Prou 894 = Gariel XI, 168.

Paris: 1.10 gr.

Find.: Vercelli.

233. *Obv.*: CARo/LVS.

Rev.: ER⁺F, with five dots between the legs of the R. Denarius.

Prou 895.

Paris: 0.93 gr.; Grierson: 1.32 gr.

234. *Obv.*: CARo/LVS.

Rev.: .NT/TR⁺Δ/N⁺◇, with bars between the lines. Denarius.

Gariel V, 8 (Gariel Coll.).

Gariel Coll., 592; Meyer Coll., 74; Cahn April 1899, 1.

Berlin: 1.28 gr. (PLATE VIII).

235. *Obv.*: CARo/LVS.

Rev.: ΛW/VT, with a bar between the lines. Denarius.

- Prou 100; Gariel V, 15 (Gariel Coll.).
Gariel Coll., 595.
Paris: 0.82 gr.
Berlin: 1.41 gr. (PLATE VIII).
236. *Obv.*: CÆO/LVS.
Rev.: ÆIΓH/CAS. Denarius.
Gariel V, 18 (Combrouse, pl. XII, 1).
Riechman Nov. 1924, 11, 1.05 gr.
Berlin: (PLATE VIII).
237. *Obv.*: CÆO/LVS.
Rev.: ATR/DIS. Denarius.
Prou 887; Gariel V, 10 (Gariel Coll.).
Gariel Coll., 594 (two pieces); Cahn March 1926, 4.
Paris: 1.22 gr.; Berlin: 1.22 gr. (PLATE VIII).
238. *Obv.*: CÆO/LVS.
Rev.: A, R, D, IS, in the corners of a cross. A bar above, and one dot at the end of each lower arm. Denarius.
Prou 888 = Gariel V, 11; Prou 889; Prou 890 (var.) = Gariel V, 13; Gariel V, 12 (Ponton d'Amécourt Coll., Imphy find), 13.
Meyer Coll., 75; Münz. u. Med. July 1955, 487, 488; Kricheldorf Nov. 1960, 290 (withdrawn as forgery).
Paris: 1.22 gr., 1.08 gr., 1.13 gr.; Berlin: 1.39 gr.; Brussels: 1.07 gr.; Copenhagen: (T. 1183) 1.13 gr. (PLATE VIII); Grierson: 1.42 gr.
Find: Imphy; Vercelli; Ilanz II, 1.22 gr., 1.28 gr.
239. *Obv.*: +KRL+RF, around a circlet.
Rev.: +AR : FIVE, around a circlet. Denarius.
Prou 6.
Paris: 1.03 gr.
240. *Obv.*: CÆO/LVS.
Rev.: AR, SN, I, around a triangular point. Denarius.
Gariel VI, 31 (Combrouse, pl. XII, 1).
241. *Obv.*: CÆO/LVS.
Rev.: BAB. Above, a horizontal axe; below, $\omega\omega\omega$. Denarius.
Prou 85 = Gariel V, 19.
Meyer Coll., 76.
Paris: 1.20 gr. (PLATE VIII).
242. *Obv.*: CÆO/LVS.
Rev.: PAB. Bar above, cross below. Denarius.
Gariel IX, 103 (San Quintino Coll.).
Cahn Dec. 1932, 1209; Kricheldorf Nov. 1960, 293.
ANS: 0.97 gr.

243. *Obv.*: CÆ/LVS.
Rev.: B, E, R, R, R, in the corners of a cross. Denarius.
 Berlin: 1.16 gr.
244. *Obv.*: CÆL/ + - + /LVS.
Rev.: BII/ſIAC. Before the inscription, an indecipherable sign. Denarius.
 Prou 930; Gariel V, 21 (Gariel Coll.).
 Cahn Dec. 1932, 1200.
 Paris: 1.24 gr.
Find: Vercelli; Middelstum.
245. *Obv.*: CÆo/LVS.
Rev.: + ·/BoLA/ horizontal axe. Denarius.
 Berlin: 1.02 gr.
246. *Obv.*: CÆo/LVS.
Rev.: b'P ÆRTA. Cruciform rosette of four dots. Denarius.
 Cappe, II, pl. XXI, 215, 1.15 gr.; Cahn March 1926, 7.
247. *Obv.*: CÆo/LVS.
Rev.: 'CÆI. Denarius.
 Prou 931; Gariel V, 24 (Ponton d'Amécourt Coll., Imphy find.).
 Paris: 1.30 gr.; Berlin: 1.34 gr. (PLATE VIII).
Find: Imphy.
248. *Obv.*: CÆo/LVS.
Rev.: iCA/ + /IVI. Denarius.
 Prou 932; Gariel VII, 59 (Ponton d'Amécourt Coll.).
 Paris: 0.94 gr.; Berlin: 0.87 gr. (PLATE IX).
249. *Obv.*: CÆo/LVS.
Rev.: CLS. Denarius.
 Gariel VI, 32-37 (var.); BMS 14.
 Gariel Coll., 601, 602; Meyer Coll., 79; Bordeaux Coll., 168, 0.98 gr.;
 Helbing Oct. 1912, 16641; Glendining Mar. 1964, 271.
 Berlin: 1.18 gr., 1.30 gr. (PLATE IX); BM: (55-6-14-8.E; fragment)
 0.76 gr.; Brussels: 0.92 gr., 1.14 gr., 1.21 gr., 1.22 gr., 1.27 gr., 1.28 gr.;
 Copenhagen: 1.35 gr.; Schloss Gotthorp: 0.70 gr., 0.74 gr., 0.91 gr., and
 one additional exemplar, unweighed.
Find: Jelsum, 0.99 gr.; Krinkberg; Gelderland.
250. *Obv.*: CÆo/LVS.
Rev.: C+LS. Denarius.
 Prou 934 = Gariel VI, 38.
 Paris: 1.18 gr.; Grierson: 1.09 gr.; The Hague: (536) 1.20 gr. (PLATE IX);
 Hermitage: 1.19 gr.
Find: Jelsum, 0.96 gr.; Vercelli; Gelderland.

251. *Obv.*: CARO/LVS.
Rev.: +CAR/RA:S. Denarius.
 Berlin: 1.23 gr.
252. *Obv.*: CARO/LVS.
Rev.: CHD/6 IS. Denarius.
 Prou 933; Gariel VII, 57 (Brussels), 58 (Gariel Coll., 1.25 gr.).
 Gariel Coll., 607.
 Paris: 1.03 gr. (damaged); Berlin: 1.25 gr. (PLATE IX); Brussels: 1.20 gr., 1.24 gr.; Schloss Gotthorp: 0.93 gr.
Find: Krinkberg; Gelderland.
253. *Obv.*: CARO/LVS.
Rev.: DNI/SVS. Denarius.
 Schloss Gotthorp: 1.07 gr.
Find: Krinkberg.
254. *Obv.*: CARO/LVS.
Rev.: DRI/SVS, with a bar between the lines. Denarius.
 Gariel IX, 105 (Gariel Coll.).
 Gariel Coll., 631; Meyer Coll., 92.
 Berlin: 1.04 gr., 1.11 gr. (PLATE IX); Schloss Gotthorp: 1.03 gr., and one additional exemplar, unweighed.
Find: Krinkberg.
255. *Obv.*: CARO/LVS.
Rev.: ECOLISINA. Cross, Denarius.
 Gariel V, 7 (Voillemier Coll.).
 Berlin: 1.30 gr. (PLATE IX).
256. *Obv.*: CARO/LVS.
Rev.: EID/•• + / -, (retrograde). Denarius.
 Gariel V, 16 (Gariel Coll.).
 Gariel Coll., 596.
 Berlin: 1.14 gr.
257. *Obv.*: CAR/ :•••• :/LVS.
Rev.: 9ER/VA2I, with a bar between the lines and two dots at each end of the line. Denarius.
 Gariel VII, 54 (Ponton d'Amécourt Coll., Imphy find), 55 (Ponton d'Amécourt Coll., var.).
 Meyer Coll., 82.
 Paris: (7a) 1.25 gr.; Berlin: 1.15 gr., 1.27 gr. (PLATE IX).
Find: Imphy.
258. *Obv.*: CARO/LVS.
Rev.: INSCOCIV. Cross. Denarius.
 Gariel XI, 148 (RN 1846, p. 187).

8*

259. *Obv.*: K \overline{R} F.

Rev.: IROD/ANI, semi-linear, semi-circumscriptional. Denarius.

Gariel IX, 114 (Ponton d'Amécourt Coll.).

Meyer Coll., 94 (ex Imphy).

Berlin: 1.21 gr. (PLATE IX).

Find: Imphy.

260. *Obv.*: C \overline{A} o/LV•S•.

Rev.: LEM, between a bar terminating in three dots and a cross between two dots. Denarius.

Prou 773 = Gariel VII, 65; Gariel VII, 64 (Gariel Coll.).

Gariel Coll., 610; Meyer Coll., 85; Münz. u. Med. July 1955, 489, 1.30 gr.; Kress Oct. 1960, 1380.

Paris: 1.30 gr.; Berlin: 1.11 gr., 1.14 gr. (PLATE IX); ANS: 1.30 gr. (Kress specimen); Grierson: 0.80 gr. (damaged); The Hague: (Inv. 17598, var., both inscriptions retrograde) 1.00 gr.; Hermitage: 1.23 gr.; Schloss Gotthorp: 1.00 gr., 1.06 gr., 1.08 gr.

Find: Krinkberg.

261. *Obv.*: C \overline{A} o/LV•S•.

Rev.: LEM, between a bar terminating in a cross and ω . Denarius.

Prou 774 = Gariel VII, 66; Gariel VII, 67 (Fabre Coll.).

Paris: 1.31 gr.; Berlin: 1.02 gr., 1.14 gr., 1.22 gr. (PLATE IX); Schloss Gotthorp: 1.08 gr., and one additional exemplar, unweighed.

Find: Krinkberg.

262. *Obv.*: C \overline{A} /LV•S•.

Rev.: KD/MA•G/o2•J. Denarius.

(See D. M. Metcalf, "Coins of Charlemagne Reading DMAG. C. S.," *HBN* 1964/65, pp. 13-20).

Prou 935, 936, 937; Gariel VIII, 80-85; *BMS* 15.

Cahn April 1899, 2; Cahn 1906, 1; Hamburger Nov. 1912, 11; Cahn Dec. 1932, 1203, 1204; Münz. u. Med. July 1955, 390; Kress Oct. 1960, 1375; Kricheldorf Nov. 1960, 291.

Paris: 1.27 gr., 1.36 gr., 1.23 gr.; Berlin: 1.16 gr. (two fragments of one coin), 1.22 gr., 1.25 gr., 1.32 gr. (PLATE IX); BM: (SSB-127-1 [b]) 1.30 gr.; Brussels: 1.11 gr., 1.14 gr., 1.18 gr., 1.28 gr.; Copenhagen: (T. 1188) 1.24 gr.; Frankfurt a.M.: 1.13 gr., 1.30 gr.; The Hague: (55) 1.10 gr.; Hannover: (Inv. 1913.261) 1.12 gr.; Munich: 1.24 gr.; Schloss Gotthorp: 1.16 gr., and one additional exemplar, unweighed; Stuttgart: (2v4982) 1.24 gr.; Vienna: 1.14 gr.

Find: Imphy; Jelsum; Erdmannhausen; Sarzana; Ilanz II, 1.02 gr.; Krinkberg; Schowen; Speyer.

263. *Obv.*: C \overline{A} •/LVS.

Rev.: \overline{R} •/e+, with a bar above. Denarius.

Gariel VIII, 74 (Gariel Coll., 1.50 gr.).
Gariel Coll., 613.
Berlin: 1.53 gr.

264. *Obv.*: CÆ•/LVS.

Rev.: M/AI/C/N, in the corners of a cross. At the center of the cross, a circle with a dot. Denarius.

Gariel VIII, 75 (Gariel Coll.).
Gariel Coll., 614.
Berlin: (PLATE IX).

265. *Obv.*: RFX, with ✱ above, three dots in field.

Rev.: M/D/C/G, in the corners of a cross. One dot in each corner of the cross. Denarius.

Gariel VIII, 96 (Gariel Coll.).
Berlin: 1.06 gr. (PLATE IX).
Find: Lorsch.

266. *Obv.*: CÆo/ΓVS.

Rev.: MA/RI•P, with a bar between the lines. Denarius.

Gariel IX, 98 (Hervy de Saint-Denis Coll.).
Find: Château de Bréaux-sous-Nappe.

267. *Obv.*: CÆo/LVS.

Rev.: M AX/ENT, ∞ between the lines. Denarius.

Gariel IX, 119 (Ponton d'Amécourt Coll., Imphy find).
Berlin: 1.28 gr. (PLATE IX).
Find: Imphy.

268. *Obv.*: CÆo/LVS.

Rev.: MEDOCVS. Cross with circlet at the intersection. Denarius
Prou 681-687 (var.); Gariel VIII, 86-95 (var.); *BMS* 16, 17, 18.

Gariel Coll., 620; Meyer Coll., 89; Bordeaux Coll., 171; Lockett Coll., 320; Hess May 1893, 2905; Hess 1901, 1770; Schulman Jan. 1929, 501; Cahn, April 1929, 3; Cahn Oct. 1929, 888, 1.30 gr.; Cahn Sept. 1932, 1291; Cahn 1934, 2234; Münzhandl. Basel Oct. 1936, 303, 304; Schulman June 1939, 473; Münz. u. Med. Dec. 1957, 673; Kricheldorf Nov. 1960, 292; Kricheldorf June 1961, 319, 320.

Paris: 1.26 gr., 1.31 gr., 1.13 gr., 1.17 gr., 1.24 gr., 1.20 gr., 1.23 gr.; Berlin: 0.66 gr., 0.90 gr., 1.17 gr., 1.26 gr., 1.26 gr., 1.27 gr., 1.29 gr., 1.25 gr.; ANS: 1.20 gr.; BM: 1.18 gr., 1.25 gr., (57-9-1-7. IGP) 1.31 gr.; Brussels: 1.04 gr., 1.26 gr., 1.26 gr.; Copenhagen: (T. 1190) 1.13 gr., (T. 1189) 1.18 gr., (K. Fr. p. 136) 1.28 gr., 1.29 gr. (PLATE IX); Blunt: 1.23 gr.; Dickie: 1.22 gr.; Frankfurt a.M.: 1.13 gr. (damaged); Garrett: (6115) 1.11 gr.; Grierson: 1.26 gr., 1.20 gr., 0.94 gr.; Hermitage: 1.37 gr.; Schloss Gotthorp: 1.28 gr., 1.39 gr., and one additional exemplar, unweighed; Stuttgart: (2v8490) 1.21 gr.; Yale: 1.10 gr.

Find: Vercelli; Krinkberg.

269. *Obv.*: CÆO/LVS.

Rev.: MOS/VO, with a bar between the lines. Denarius.

Gariel IX, 99 (Voillemier Coll.).

Berlin: 1.01 gr. (PLATE IX); Schloss Gotthorp.

Find.: Krinkberg.

270. *Obv.*: CÆO/LVS.

Rev.: +M-C∞CO. In field, A. Denarius.

Berlin: 0.91 gr., 1.25 gr., 1.27 gr., 1.27 gr., 1.32 gr.

271. *Obv.*: CÆ/LVS.

Rev.: NA/IIIV, with a bar between the lines. One dot at the left end of the bar. Denarius.

Gariel IX, 100.

Find.: Tours.

272. *Obv.*: CÆO/LVS.

Rev.: O∂ALRICVS. Cross. Denarius.

Prou 7 = Gariel IX, 102.

Meyer Coll., 91.

Paris: 1.12 gr.; Berlin: 1.11 gr., 1.18 gr. (PLATE IX).

Find.: Vercelli; Ilanz II, 1.14 gr., 1.24 gr., 1.33 gr.

273. *Obv.*: CÆO/LVS.

Rev.: PRL/SVS. Denarius.

Paris: (316a) 1.20 gr.; Schloss Gotthorp: 1.03 gr.

Find.: Krinkberg.

274. *Obv.*: CÆO/LVS.

Rev.: RA/DIO. Denarius.

Prou 939 = Gariel IX, 112.

Paris: 1.07 gr.

Find.: Jelsum, 0.99 gr.

275. *Obv.*: CÆO/LVS.

Rev.: REME I/RODO, with a bar between the lines. Denarius.

Prou 550 = Gariel IX, 106.

Paris: 1.08 gr. (PLATE IX).

276. *Obv.*: CÆ/LVS.

Rev.: RÖD/LAN, with a bar between the lines. Denarius.

Gariel IX, 113 (Ponton d'Amécourt Coll., Imphy find).

A specimen of different style appeared in the Meyer Coll., 94; a forged reverse die exists, cf. Grierson, *ANSCent. Publ.*, p. 311, 4.

Berlin: 1.26 gr. (PLATE IX).

Find.: Imphy; Ilanz II, 1.35 gr.

277. *Obv.*: CÆo/LVS.
Rev.: C □ IL/9□Coc, with a bar between the lines. Denarius.
 Gariel VII, 56 (Ponton d'Amécourt Coll.).
 Berlin: 1.60 gr.
278. *Obv.*: CÆ/LVS.
Rev.: •IIUb/•IAO. Denarius.
 Schloss Gotthorp.
Find: Krinkberg.
279. *Obv.*: CÆo/LVS.
Rev.: R, E, D, S, in the corners of a cross. Denarius.
 Gariel IX, 111 (Combrouse, pl. IV, 11).
280. *Obv.*: CÆo/LVS.
Rev.: Monogram of SANT, with two dots at the right and a bar beneath. Denarius.
 Prou 940 = Gariel X, 131.
 Paris: 0.77 gr. (damaged).
281. *Obv.*: CAI/LVS.
Rev.: SCEMARI. Dot inside a circle. Denarius.
 (Grunthal, p. 51. suggests an attribution to St-Marie [Laon]).
 Gariel X, 130 ("J'ai placé ici la description de ce denier, dont j'ai oublié la provenance, quoique sur la planche X il soit gravé sous le n° 130, par suite d'une erreur.")
282. *Obv.*: CÆo/LVS.
Rev.: +SCE•MIR• Dot in a circlet of dots. Denarius.
 Gariel X, 126 (Gariel Coll.).
 Gariel Coll., 636.
 Berlin: 1.02 gr. (PLATE IX).
283. *Obv.*: CÆo/LVS.
Rev.: +∞ oC•E•MR. Denarius.
 Schloss Gotthorp (fragment).
Find: Krinkberg.
284. *Obv.*: CÆo/LVS.
Rev.: SCE/MRE, with a bar between the lines. A dot at the left end of the bar, a circle at the right. Denarius.
 Gariel IX, 120 (Fabre Coll.).
 Berlin: 0.99 gr.
285. *Obv.*: CÆo/LVS.
Rev.: SCICRVCIS. Cross. Denarius.
 Paris: (677a) 1.25 gr.
 ANS: 1.30 gr. (PLATE X).

286. *Obv.*: KAR/LVZ.
Rev.: SCI/MAR. Denarius.
 (Grunthal, p. 51, suggests an attribution to St. Marie [Laon]).
 Gariel Vol. I, p. 58 (not illustrated).
Find: Imphy.
287. *Obv.*: CÆ/LVS.
Rev.: SCA/MAR. Denarius.
Find: Ilanz II, 1.18 gr.
288. *Obv.*: CÆo/LVS.
Rev.: SCI·MAR·. Dot in a circlet of dots. Denarius.
 Gariel X, 125.
289. *Obv.*: KFR, with one bar above the monogram and one below it.
Rev.: SCIMRVCI. Cross with dots in field. Denarius.
 Berlin: 1.21 gr.
Find: Imphy.
290. *Obv.*: CÆo/LVS.
Rev.: ·SCI·/·TRV·/DO. Denarius.
 Gariel X, 128 (Société zélandaise of Middelburg Coll.).
291. *Obv.*: CÆ/LVS.
Rev.: SĀO/NIS. Denarius.
 Gariel X, 132 (Prince Gagarin Coll.).
292. *Obv.*: CARo/LVS.
Rev.: SEN, with a small cross above the E. Denarius (Siena?).
 Gariel X, 133 (Sarzana find).
 CNI XI, p. 349, 1; Hamburger Nov. 1912, 14; Münz. u. Med. Dec. 1948, 267; Théry Coll., 1963, 390. The specimens which appeared in the trade are forgeries, cf. Grierson, *ANSCent. Publ.*, p. 311, 3.
 Berlin: 1.35 gr. (PLATE X).
Find: Sarzana.
293. *Obv.*: CÆo/LVS.
Rev.: SLVA, with a bar above, and ··X beneath. Denarius.
 Kricheldorf Nov. 1960, 294.
 ANS: 1.60 gr. Genuine?.
294. *Obv.*: CÆo/LVS, with a bar between the lines.
Rev.: ṡP̄E. Denarius.
 Gariel X, 127 (Ponton d'Amécourt Coll., Imphy find).
 Berlin: (PLATE X).
Find: Imphy; Trier.

295. *Obv.*: KÆ.
Rev.: S, R, V, C, I, unequally spaced about a patriarchal cross.
 Dots in field. Denarius.
 Gariel IX, 116 (Ponton d'Amécourt Coll., Imphy find).
 Kricheldorf June 1961, 321, 1.30 gr.
 Berlin: (PLATE X).
Find: Imphy.
296. *Obv.*: CÆo/LVS.
Rev.: SR, R, in the lower corners of a cross. Denarius.
 Berlin: 1.30 gr.
297. *Obv.*: CÆo/LVS.
Rev.: SRR/+. Denarius.
 Gariel X, 129 (Ponton d'Amécourt Coll., a Becker forgery).
 Berlin: (PLATE X); Schloss Gotthorp: 1.22 gr.
Find: Krinkberg.
298. *Obv.*: CÆo/LVS.
Rev.: TVRN·A·CO. Cross in a circlet of dots. Denarius.
 Gariel X, 138 (RBN 1863, pl. XIV, 3).
299. *Obv.*: CÆo/LVS.
Rev.: TVV/ANNA, with a bar between the lines. Denarius.
 Gariel X, 136 (Gariel Coll., 1.50 gr.).
 Gariel Coll., 639.
 Brussels: 1.30 gr. (PLATE X, slightly enlarged); Hermitage: 1.20 gr.
300. *Obv.*: CÆo/LVS.
Rev.: VALA/CARL, with a bar between the lines. Denarius.
 Gariel XI, 152 (Gariel Coll., 1.20 gr.).
 Gariel Coll., 643.
 Berlin: 1.19 gr. (PLATE X).
301. *Obv.*: ROIEM. Dot in a circlet of dots.
Rev.: VIL/REC, with a bar between the lines. Denarius.
 Gariel XI, 149 (Ponton d'Amécourt Coll.).
 Berlin: 1.28 gr. (PLATE X).
302. *Obv.*: Karolus monogram.
Rev.: VLE/CIA, with a bar between the lines. Dots in field.
 Denarius.
 Gariel XI, 145 (Gariel Coll.).
 Gariel Coll., 641.
 Berlin: 1.17 gr. (PLATE X).

303. *Obv.*: CÆo/LVS.
Rev.: VCE/CIA, with a bar between the lines. Denarius.
 Gariel XI, 146 (Gouaux Coll.).
304. *Obv.*: CÆo/LVS.
Rev.: V, I, C, E, in the corners of a cross. One dot in each corner of the cross. Denarius.
 Gariel XI, 147 (Fillon, pl. VII, 8; ex Morin Coll.).
305. *Obv.*: KĀR, with F horizontal beneath.
Rev.: V, ◇, M, R, in the corners of a cross. Denarius.
 Prou 941 = Gariel IX, 115.
 Paris: 0.99 gr.; Berlin: 1.15 gr. (PLATE X).
Find: Ilanz II, 1.26 gr.
306. *Obv.*: CÆo/LVS.
Rev.: X, L, ℥, ℥, in the corners of a cross. At the intersection of the cross, a circle. Denarius.
 Schloss Gotthorp: 1.02 gr., and one additional exemplar, unweighed.
Find: "Jura," 1.22 gr. (var.); Krinkberg.
307. *Obv.*: CÆ'/LVS.
Rev.: WA-NO-Ū. Cross. Denarius.
 Gariel VII, 62 (Lausanne).
 Meyer Coll., 84.
Find: Vercelli.

Indeterminate Mints

SECOND PERIOD

308. *Obv.*: +CARLVSREXFR. Karolus monogram.
Rev.: +ETLANƆACPATROM. Indecipherable monogram.
 (Scholars have interpreted this monogram as denoting variously "Rome," "Ravenna," and "Adrianus Papa." In a note published in *MN* XII, Miss M. Thompson, however, advances the more convincing thesis that it actually represents "Karolus" in Greek letters, an interpretation consonant with attributions of the issue to Ravenna.)
 Prou 896; Gariel XII, 184 (Brussels var.).
CNI X, p. 681, 1; Gariel Coll., 660; Meyer Coll., 109; Bordeaux Coll., 174; Cahn April 1899, 4; Cahn Dec. 1922, 509, 1.70 gr.; Cahn Oct. 1926, 83, 1.75 gr.
 Paris: 1.46 gr., Berlin: 1.59 gr., 1.75 gr., 1.75 gr. (PLATE X); Brussels: 1.46 gr., 1.76 gr.; Munich: 1.00 gr., 1.53 gr.; Vienna: 1.63 gr.
Find: Biebrich, 1.52 gr., 1.70 gr.; Dorestadt (1846).

309. *Obv.*: +CARLVSREXFR. Karolus monogram.
Rev.: +EXMETALLONOVO. Cross. Denarius.
 Gariel XIII, 203 (Melle).
 Berlin: 1.70 gr.; Brussels: 1.34 gr.; The Hague: (Inv. 17647) 1.20 gr.
310. *Obv.*: +CALVSREXIIER. Cross.
Rev.: +EXMTALLONOVO. Karolus monogram. Denarius.
 Prou 942.
 Paris: 1.58 gr.
311. *Obv.*: +CARLVSREXER☩. Cross.
Rev.: +EXMEALONOVO. Karolus monogram. Denarius.
 Prou 943; Gariel XIII, 204 (Gariel Coll.).
 Rousseau Coll., 320; Gariel Coll., 669; Meyer Coll., 121; Hess 1905, 17, 18; Hess 1912, 1, 2.
 The Hague: (EX MEALLONOVO) (PLATE X).
Find: Ibersheim; Tournai.
312. *Obv.*: +CARLVSREXFR. Karolus monogram.
Rev.: C+LLLTALoNoVo. Cross with one ball in each of two diagonal corners and one dot in a third corner. Denarius.
 The Hague: (Inv. 17640) 1.30 gr.
313. *Obv.*: KARLVSIIPAV☾. Bust, laureate and draped, to right.
Rev.: +METALL·GERMAN. Two dies between two hammers.
 Denarius.
 Prou 972; Gariel IX, 97 (Gariel Coll.).
 Gariel Coll., 628.
 Paris: 1.53 gr.
314. *Obv.*: +DNKARLVSIMPAVGREXFETL. Bust, laureate and draped, to right.
Rev.: XPICTIANARELIGIO. Temple, Denarius.
 Prou 982 = Gariel XII, 169; 170 (Van der Chijs), XLV, 54 (var. with OISTOANA.RELIGIO. Combrouse, pl. VII, 1).
 Cahn March 1928, 145, 1.60 gr.; Meyer Coll., 103; Münz. u. Med. Dec. 1948, 158; Bourgey Dec. 1964, 26, 1.69 gr.
 Paris: 1.52 gr.; Berlin: 1.29 gr., 1.68 gr., 1.69 gr., 1.70 gr. (PLATE X).
Find: Moksnes.
315. *Obv.*: DNKAROLVSIMPAVD. Bust, laureate and draped, to right.
 Under bust, C.
Rev.: +PICIIANAPELICIO. Temple. Denarius.
 Berlin: 1.57 gr.
316. *Obv.*: DNKAROLVSIMPAVD. Bust, laureate and draped, to right. Under bust, V.

Rev.: +PICIIANAPELICIO. Temple. Denarius.

Berlin: 1.18 gr.

317. *Obv.*: KAROLVSIMPAVG. Bust, laureate and draped, to right.

Rev.: XICTIANARELIGIO. Temple. Denarius.

Prou 983 = Gariel XLV, 57, 58 (*RN* 1868, p. 488, pl. XIX, 21), 59 (*Brussels*).

Münz. u. Med. June 1951, 368.

Paris: 1.71 gr. (PLATE X); Berlin: 1.37 gr.; Brussels: 1.56 gr. (damaged).

Find: Birka.

318. Same as foregoing, but with M beneath the bust. Denarius.

Prou 981 = Gariel XLV, 56.

CNI V, p. 456, 36a, 36b.

Paris: 1.60 gr. (PLATE X).

Find: Dorestadt (1846); Birka.

319. Same as foregoing, but with F beneath the bust. Denarius.

Gariel XLV, 55 (Gariel Coll.).

Gariel Coll., 865.

Berlin: 1.68 gr. (PLATE X).

LOUIS THE PIOUS (814-840)

PALACE

320. *Obv.*: +HLVDOVVICVSIMP. Cross.

Rev.: PALA/TINAMO/NETA. Denarius.

Prou 8, 9, 10; Gariel XVII, 90 (Gariel Coll.), 91.

Rousseau Coll., 355; Hamburger Nov. 1912, 35; Cahn Oct. 1924, 9;

Cahn Feb. 1931, 8; Cahn Dec. 1932, 1225, 1226; Münz. u. Med. Dec.

1957, 678, 1.81 gr.; Kress Oct. 1960, 1400; Bourgey Dec. 1964, 34, 1.77 gr.

Paris: 1.70 gr., 1.59 gr., 1.73 gr.; Berlin: 1.79 gr.; ANS: 1.77 gr., 1.81 gr.

(PLATE XI); Brussels: 1.61 gr., 1.69 gr., 1.75 gr.; Copenhagen: (K. P.

1296) 1.68 gr.; The Hague: (Inv. 17489) 1.60 gr.; Hannover: (Inv. 1925.29) 1.74 gr.

Find: Veullin; Belvézet.

East Francia

MAINZ

321. *Obv.*: +HLVDOVVICVSIMP. Cross.

Rev.: MO/GON/TIA/CVS. Denarius.

Prou 34; Gariel XVII, 77 (Gariel Coll.).

Hess 1901, 1778; Cahn Sept. 1921, 1091; Helbing Oct. 1927, 2374;

Helbing Oct. 1932, 268, 449; Kricheldorf May 1956, 333.

Paris: 1.69 gr.; Berlin: 1.29 gr., 1.54 gr., 1.56 gr.; Brussels: (Inv. 38) 1.46 gr., 1.64 gr., 1.68 gr.; Frankfurt a.M.: 1.65 gr.; The Hague: (Inv. 17488) 1.50 gr.; Munich: 1.72 gr.; Vienna: 1.80 gr. (PLATE XI).
Find: Veuillin; Belvézet; Achlum; Dorestadt (1846)(?).

CHUR

322. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: CVRIA in one line. Denarius.
 Gariel XV, 45 (Gariel Coll.).
 Gariel Coll., 700; Meyer Coll., 143.
Find: Belvézet.

REGENSBURG

323. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: REGA/NESB/VRG. Denarius.
 Gariel XVIII, 105 (*RBN* 1857, p. 44, pl. V, 11).
Find: Regensburg (1868).

Alsace

STRASSBURG

324. *Obv.*: HTVDOVVICVSIMPAVC. Bust, laureate and draped, to right.
Rev.: +STRAZBVRG. City gate. Denarius.
 Prou 43; Gariel XIX, 123 (Brussels); *BMS* 28.
 Meyer Coll. 1902, 170; Hess Pricelist 1905, 29.
 Paris: 1.81 gr., Berlin: 1.80 gr.; BM: 2.06 gr.; Brussels: 1.44 gr. (PLATE XI); Vienna: 1.94 gr.; (The authenticity of the BM specimen has been questioned because of its exceptional weight, but it is included here as representing an authentic type, if it is not, indeed, a genuine issue. For a discussion of the question, see *BMS*, p. 3.)
Find: Dorestadt (1846).
325. Withdrawn. The entry was based on Gariel, p. 185, 123. The reading is in error, cf. his pl. XIX, 123.
326. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: STRA/TBVR/GVS, with a crook after the final S. Denarius.
 Prou 44, 45 (var.); Gariel XVIII, 121 (Gariel Coll.), XIX, 122 (Veuillin find).
 Hess April 1928, 3561.
 Paris: 1.75 gr., 1.92 gr. (PLATE XI); Brussels: 1.32 gr.; The Hague: (Inv. 17492) 0.80 gr. (damaged).
Find: Veuillin; Hollingstedt; Schowen.

327. *Obv.*: +HLVDOVVICVSIMP Cross.*Rev.*: STRA/TBVR/CVS. Denarius.

Prou 46; Gariel XVIII, 120 (Achlum find).

Helbing Nov. 1909, 2; Hamburger Sept. 1917, 574, 575, 576; Cahn March 1926, 20, 1.80 gr.

Paris: 1.05 gr.; Berlin: 1.60 gr.; Munich: 1.35 gr., with one additional exemplar, unweighed. (PLATE XI).

Find: Veuillin; Achlum.328. *Obv.*: +HLVDOVVICVSIMP. Cross.*Rev.*: STOT/T.E.N/BVRG. Denarius.

Gariel XIX, 124 (Gariel Coll.).

Gariel Coll., 758.

Berlin: 1.48 gr.

Lorraine

AACHEN

329. *Obv.*: +HLVDOVVICVSI. Cross.*Rev.*: AQVI/SPALA. Obolus.

Gariel XVI, 53 (d'Estissac Coll.).

Berlin: 0.64 gr. (PLATE XI).

Find: Bligny.

DORESTADT

330. *Obv.*: HLVDOVVICVSIMPAVC. Bust, laureate and draped, to right.*Rev.*: DORESTATVS. Ship. Denarius.

Prou 63, 64; Gariel XVI, 59, 60 (Gariel Coll.).

Rousseau Coll., 350; Gariel Coll., 718; Hamburger Nov. 1912, 28; Cahn March 1926, 17; Riechman April 1928, 625; Cahn Pricelist 1934, 2236a; Münz. u. Med. Dec. 1948, 160.

Paris: 1.57 gr., 1.72 gr.; Berlin: 1.36 gr., 1.45 gr., 1.76 gr., 1.99 gr. (PLATE XI); Blunt: 1.72 gr.; Brussels: 1.03 gr. (damaged, rudder at right), 1.47 gr. (Inv. 35), 1.56 gr., 1.68 gr., (Inv. 34) 1.82 gr. (gilded); Copenhagen: (T. 1208) 1.20 gr. (damaged); Garrett: (6118) 1.66 gr.; Grierson: 1.16 gr. (damaged); The Hague: (Inv. 17512) 1.00 gr., (Inv. 17509) 0.92 gr. (fragment), (598) 1.61 gr.; Munich: 1.45 gr., 1.65 gr.; Van Rede: (B1212, var., rudder at right) 1.45 gr., (B1213) 1.67 gr.

Find: Dorestadt (1846); Achlum; Alstad (?); Hedeby (?).331. *Obv.*: HLVDOVVICVSIMPAV. Bust, laureate and draped, to right.*Rev.*: +DORESTATVS. Ship. Denarius.

- Gariel XVI, 61 (Brussels); *BMS* 29.
 BM: (SSB-34-115) 1.63 gr.; The Hague: (Inv. 17513) 1.17 gr. (fragment);
 Van Rede: (B1232) 1.76 gr.
332. *Obv.*: +HLVDOVVICVSIMP. Cross with one dot in each of three corners.
Rev.: DOR/ESTA/TVS. Denarius.
 Prou 65; Gariel XVI, 54 (Gariel Coll.); *BMS* 30.
 Rousseau Coll., 351; Gariel Coll., 706-716; Meyer Coll., 147; Bordeaux Coll., 216; Cahn March 1926, 18.
 Paris: 1.66 gr.; Berlin: 0.97 gr., 1.59 gr., 1.62 gr., 1.72 gr., 1.74 gr., 1.75 gr., 1.77 gr., 1.77 gr., 1.80 gr., 1.84 gr., 1.85 (numerous var.) (PLATE XI); ANS: 1.57 gr.; BM: (57-9-1-13. IGP. var., no dots in obverse cross) 1.73 gr.; Brussels: 1.42 gr., 1.45 gr., (Inv. 36) 1.52 gr., 1.56 gr., 1.66 gr., 1.78 gr.; Grierson: 1.76 gr. (var.); The Hague: (Inv. 17511) 0.70 gr., (Inv. 17510) 1.00 gr., 1.60 gr. (599 var., D+OR/ESTA/TVS) 1.70 gr., 1.72 gr.; Munich: 1.45 gr.; Oslo: 1.71 gr. (var.); Stuttgart: (2v7741) 1.57 gr.; Van Rede: (B1216 var., no dots in obverse cross, DOR/ES*TA/TVS) 1.12 gr.; Vienna: 1.67 gr.
Find.: Veuillin; Belvézet; Achlum; Ide; Worms; Schowen.
333. *Obv.*: +HLVDOVVICVSIMP. Cross with triangle in each corner.
Rev.: DOR/ESTA/TVS. Denarius.
 Prou 66, 67; Gariel XVI, 57 (Gariel Coll., Gariel XVI, 58, mentions five varieties of *obv.* cross in this type: 1) with one dot in each of three corners, 2) with one dot in one corner, 3) with one dot in each of two diagonal corners, 4) with one point in each of three corners, and 5) with triangles in two horizontal corners and dots in the other two.)
 Paris: 1.81 gr., 1.25 gr.; Berlin: 1.59 gr.; Copenhagen: (K. P. 1617-537 var., only one dot in one corner of *obv.* cross; dot between S and T in *rev.* inscription) 1.51 gr., (K. P. 1617. x 535) 1.75 gr., (K. P. 1617. x 536 var., one dot between the last two lines of the *rev.* inscription) 1.79 gr. (PLATE XI); Garrett: (6119) 1.80 gr.
Find.: Bonn.
334. *Obv.*: +LVDOVVICVSIMPI. Cross.
Rev.: DOR/ +ES'TA/TVS. Denarius.
 Prou 68; Gariel XVI, 55.
 Paris: 1.73 gr. (PLATE XI).
335. *Obv.*: +HLVDOVVICVSIMP. Cross with one dot in each of two diagonal corners.
Rev.: EDOR/ES'TA/TVS. Denarius.
 Gariel XVI, 56 (Veuillin find).
 Berlin: 1.73 gr.
Find.: Veuillin.
336. *Obv.*: +HLVDOVVICVSIMD. Cross with one point in each of two diagonal corners.

Rev.: DOR/ESTA/TVS. Denarius.

Oslo: 1.70 gr. (damaged).

337. *Obv.*: +HLVDOVVICVSIMP. Cross with one dot in each of three corners.

Rev.: DORESTATVSMON. Temple. Denarius.

Find.: Pilligerheck; Ide 1.61 gr.

COLOGNE

338. *Obv.*: +LVDO...S. Cross with one dot in each corner.

Rev.: •OLONA, in one line. Obolus.

Gariel XV, 47 (Gariel Coll.).

Hävernicks, 19; Gariel Coll., 702; Meyer Coll., 511.

Berlin: 0.59 gr. (fragment).

339. *Obv.*: +HLVDOVVICSIHP. Cross.

Rev.: COLO/•/NIA. Denarius.

Prou 79; Gariel XV, 46 (Gariel Coll. var. with IMP).

Hävernicks, 12; Gariel Coll., 701; Meyer Coll., 144, 145; Hirsch Oct. 1961, 1779.

Paris: 1.69 gr.; Berlin: 1.70 gr., 1.82 gr. (PLATE XI); Brussels: 1.50 gr. (damaged).

Find.: Veuillin.

340. *Obv.*: +HLVDOVVICVSMD. Cross.

Rev.: COLO/• + •/NIA. Denarius.

Gariel XV, 48 (Brussels).

Hävernicks, 14.

Brussels: 1.19 gr.

341. *Obv.*: +HLVDOVVICVSIMP. Cross.

Rev.: COLO/ + /NIA'. Denarius.

Hävernicks, 13.

Berlin: 1.82 gr. (PLATE XI); Brussels: 1.56 gr. (var.); The Hague: (Inv. 17547) 1.50 gr. (var.).

Find.: Veuillin.

CAMBRAI

342. *Obv.*: +HLVDOVVICVSIMP. Cross.

Rev.: CAMA/•/RACVS. Denarius.

Prou 114, 115 (var.); Gariel XV, 43 (Gariel Coll.); BMS 31.

Cahn 1897, 2; Rosenberg 1906, 7; Rosenberg March 1914, 481; Cahn

March 1926, 19; Schulman June 1936, 229; Lockett Coll., 329; Kress Oct. 1960, 1488; Schulman, April 1965, 3282.

Paris: 1.58 gr., 1.49 gr.; Berlin: 1.42 gr., 1.65 gr., 1.84 gr., 1.85 gr.; ANS: 1.74 gr. (PLATE XI); BM: (SSB-127-23) 1.67 gr.; Brussels: 1.69 gr., 1.64 gr.; Grierson: 1.69 gr.; Munich: 1.57 gr.
Find: Veuillin; Dorestadt (1846)?

343. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: CAMA/RIICVS/• Denarius.
 Brussels: 1.23 gr.

TRIER

344. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: TREV/ERIS. Denarius.
 Prou 126; Gariel XIX, 137.
 Meyer Coll., 177; Hess May 1893, 2222; Rosenberg Nov. 1904, 25.
 Paris: 1.81 gr.; Berlin: 1.20 gr., 1.22 gr., 1.49 gr., 1.84 gr. (PLATE XI);
 Brussels: 1.52 gr., (Inv. 47) 1.72 gr., (Inv. 48 var., both inscriptions
 poorly cut and retrograde) 1.86 gr.; Trier: (Inv. 32.162) 1.07 gr.
Find: Veuillin; Belvézet; St. Quentin.

METZ

345. *Obv.*: +HLVDOVVICVSIM. Cross.
Rev.: METTIS, in one line. Denarius.
 Gariel XVII, 78 (Robert, pl. XII, 7).
 346. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: MEDI/OMAT/RIC. Denarius.
 Gariel XVII, 79 (Gariel Coll.).
 Gariel Coll., 234.
 Berlin: 1.73 gr. (PLATE XI).
Find: Veuillin (MEDI/OMAT/RIC).

VERDUN

347. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: VIRID/VNVM. Denarius.
 Prou 145, 146; Gariel XIX, 144 (Gariel Coll.).
 Cahn Dec. 1932, 1249, 1250; Kricheldorf May 1956, 335; Kress Oct.
 1960, 1409; Münz. u. Med. Nov. 1964, 11; Bourgey Dec. 1964, 40.
 Paris: 1.79 gr., 1.74 gr.; Berlin: 1.76 gr., 1.81 gr., 1.90 gr. (PLATE XII);
 ANS: 1.77 gr.; Brussels: 1.60 gr., (Inv. 49) 1.69 gr.; Grierson: 1.62 gr.
 (var. VIRID/•/VNVM; damaged); Munich: 1.72 gr.
Find: Veuillin; Belvézet; "Pommerania."
 348. *Obv.*: +IDOVVICVSIMP. Cross.
Rev.: VIRID/VHVM. Denarius.
 Gariel XIX, 145 (Robert, pl. XII, 9).
 Meyer Coll., 179, 180 (var., VIRIDVNI).

Francia

QUENTOVIC

349. *Obv.*: FIVDO/VVIC.
Rev.: +ƿVCIITOVICO. Cross. Obolus.
 Prou 186.
 Paris: 0.75 gr.; ANS: 0.62 gr. (var. +ƿVENTOVICO). (PLATE XII).
350. *Obv.*: LVDO/•/VVIC.
Rev.: +QVENTO+VVIC. Cross. Obolus.
 Gariel XVIII, 102 (Gariel Coll.).
 Gariel Coll., 751.
 Berlin: 0.79 gr. (PLATE XII).
351. *Obv.*: HLVDVVICVSIMPAVC. Bust, laureate and draped, to right.
Rev.: +QVENTOVVICVS. Ship. Denarius.
 Prou 187; Gariel XVIII, 104.
 Cahn April 1929, 33.
 Paris: 1.57 gr.; ANS: 1.60 gr. (PLATE XII).
352. *Obv.*: HLVDVVICVSIMPAVC. Bust, laureate and draped, to right.
Rev.: QVENTOVVICVS. Ship. A.
 Gariel XVIII, 103 (Poey d'Avant, no. 6566). Genuine?
353. *Obv.*: +HLVDVVICVSIMP. Cross.
Rev.: QVENTO/•/VICVS. Denarius.
 Prou 188; Gariel XVIII, 99 (Gariel Coll.).
 Meyer Coll., 163, 164; Helbing March 1902, 1495; Münzhandl. Basel Dec. 1935, 14; Helbing March 1911, 2285; Lockett Coll., 350; Kress Oct. 1960, 1471.
 Paris: 1.81 gr.; Berlin: 1.51 gr., 1.78 gr.; ANS: 1.79 gr. (PLATE XII);
 Brussels: 1.75 gr., 1.79 gr., (Inv. 44) 1.85 gr.; The Hague: (Inv. 17563) 1.20 gr. (damaged).
Find: Veuillin; Dorestadt (1846).
354. *Obv.*: +HLVDVVICVSIMP. Cross.
Rev.: QVINTO/VICVS. Denarius.
 Gariel XVIII, 101 (Poey d'Avant, no. 6568), 100 (Gariel Coll. var.).
 Berlin: 1.39 gr.

RHEIMS

355. *Obv.*: LVDOV/VIC.
Rev.: +REMISCIVIS. Cross. Obolus.
 Gariel XVIII, 111 (Reims).

356. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: REMI/CIVI/TAS. Denarius.
 Prou 293 = Gariel XVIII, 107, 108 (Reims).
 Paris: 1.79 gr.; Berlin: 1.69 gr. (PLATE XII).
Find: Veuillin.
357. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: REMIS/CIVIS. Denarius.
 Prou 294, 295; Gariel XVIII, 106 (Gariel Coll.).
 Hamburger Nov. 1912, 37; Cahn Dec. 1932, 1244; Hess, Lucerne July 1933, 83; Kress Oct. 1960, 1401.
 Paris: 1.69 gr., 1.77 gr.; Berlin: 1.59 gr., 1.73 gr., 1.79 gr. (PLATE XII);
 ANS: 1.58 gr.; Brussels: (Inv. 45, var. dot between lines of obv. inscription) 1.58 gr., 1.80 gr.; Copenhagen: (B. Pr. 824) 1.17 gr.; Grierson: 1.83 gr.; Vienna: 1.54 gr.
Find: Veuillin; Belv  zet (?).
358. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: REIMS/CIVIS. Denarius.
 Gariel XVIII, 110 (Veuillin find); *BMS* 32.
 BM: (1909-10-6-5-Spink) 1.86 gr.
Find: Veuillin.
359. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: RIEMS/CIVIS. Denarius.
 Gariel XVIII, 109 (Reims).
Find: Jaeren.

PARIS

360. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: PAR/ISII. Denarius.
 Gariel XVII, 94 (Gariel Coll.).
 Rousseau Coll., 354; Gariel Coll., 745.
 Berlin: 1.15 gr., 1.64 gr. (PLATE XII); Oslo: 1.78 gr.
Find: Veuillin; Belv  zet.
361. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: PARISII, in one line. Denarius.
 Prou 317, 318, 319, 320; Gariel XVII, 92 (Gariel Coll.), 93 (Indre and Veuillin finds); *BMS* 33.
 Rousseau Coll., 353; Cahn April 1912, 7; Cahn Dec. 1932, 1243; M  nz. u. Med. Dec. 1948, 162; Lockett Coll., 331; M  nz. u. Med. Dec. 1957, 679, 1.62 gr.; Kress Oct. 1960, 1398.
 Paris: 1.75 gr., 1.35 gr., 1.82 gr., 1.60 gr.; Berlin: 1.66 gr., 1.85 gr.; ANS: 1.75 gr. (PLATE XII); BM: 57-9-1-19 IGP) 1.74 gr.; Copenhagen: (B. Pr. p. 180) 0.99 gr. (damaged), (T. 1214) 1.44 gr.; Garrett: (6120) 1.69 gr.; Grierson: 1.73 gr. (var. PARISI).
Find: Indre; Veuillin; Dargocice.

MEAUX

362. *Obv.*: LVDO/VVIC•*Rev.*: +MELDISCIV. Cross. Obolus.Gariel XVI, 67 (Fillon, *Lettres à Dugast-Matifeux*).

Brussels: 0.70 gr.

Find: Angers (1812).363. *Obv.*: +HLVDOVVICVSIMP. Cross.*Rev.*: MEL•DIS, in one line. Denarius.Prou 359. Prou 360 and Gariel XVI, 66 (Gariel Coll.) vary, lacking the central reverse dot. Prou 361 (var. HELDIS, retrograde). *BMS* 34.

Cahn Dec. 1932, 1237, Münzhandl. Basel Dec. 1935, 13; Kress Oct. 1960, 1392; Kricheldorf Nov. 1960, 301.

Paris: 1.70 gr., 1.51 gr., 1.44 gr.; Berlin: 1.77 gr. (PLATE XII); ANS: 1.74 gr.; BM: (57-9-1-15. IGP) 1.54 gr.; Brussels: 1.80 gr.

Find: Veuillin; Belvêzet.364. *Obv.*: +HLVDOVVICVSIMP. Cross.*Rev.*: MEL/DIS. Denarius.

RN 1840, p. 131.

Find: Angers (1812)?

ROUEN

365. *Obv.*: LVDO/VVIC•*Rev.*: +ROTOMACVS. Cross. Obolus.

Gariel XVIII, 115 (Fillon, p. 146).

366. *Obv.*: +HLVDOVVICVSIMP. Cross.*Rev.*: ROTV/•/MAGVS. Denarius.

Prou 376, 377; Gariel XVIII, 114 (Gariel Coll.).

Schulman 1931, 97; Cahn Dec. 1932, 1245; Cahn 1934, 2238; Kricheldorf May 1956, 334; Kress Oct. 1960, 1402; Théry Coll., 36.

Paris: 1.72 gr., 1.78 gr.; Berlin: 1.72 gr., 1.73 gr. (PLATE XII); ANS: 1.43 gr. (Kress specimen); Dickie: 1.84 gr.

Find: Veuillin; Belvêzet.

Neustria

TOURS

367. *Obv.*: LVDO/VVIC.*Rev.*: +TVRONES. Cross. Obolus.

Prou 448; Gariel XIX, 132 (Gariel Coll.).

Gariel Coll., 765; Meyer Coll., 175; Kricheldorf Nov. 1960, 304.

Paris: 0.85 gr.; ANS: 0.79 gr. (PLATE XII); The Hague: (614) 0.60 gr. (damaged).

368. *Obv.*: HLVDVVICVSIMPAVC. Bust, laureate and draped, to right.

Rev.: TVRONES. City gate. Denarius.

Prou 444, 445 = Gariel XIX, 133; Gariel XIX, 134, 135 (Gariel Coll.). Rousseau Coll., 348; Gariel Coll., 766; 767; Meyer Coll., 176; Bordeaux Coll., 207; Cahn Dec. 1922, 517; F. Ratto Dec. 1930, 2586; Théry Coll., 39. Paris: 1.70 gr., 1.66 gr.; Berlin: 1.32 gr., 1.59 gr., 1.70 gr. (PLATE XII, two specimens); Brussels: (Inv. 46) 1.52 gr.

369. Same as foregoing. *A.* Genuine?

Vienna: 3.16 gr.

370. Same type as foregoing. Obolus.

Gariel XIX, 136 (Gariel Coll.).

Gariel Coll., 768.

Berlin: 0.84 gr. (PLATE XII).

371. *Obv.*: +HLVDVVICVSIMP. Cross.

Rev.: TVRO/NES. Denarius.

Prou 446, 447; Gariel XIX, 131 (Gariel Coll.); *BMS* 35.

Rousseau Coll., 349; Cahn Dec. 1932, 1248; Kress Oct. 1960, 1404; Kricheldorf June 1961, 326.

Paris: 1.56 gr., 1.63 gr.; Berlin: 1.77 gr.; ANS: 1.78 gr. (PLATE XIII); BM: (1909-10-6-6-Spink) 1.79 gr.; Grierson: 1.58 gr.

Find.: Veuillin; Belvèzet; Angers (1812).

ORLÉANS

372. *Obv.*: HLVDVVICVSIMAVG. Bust, laureate and draped, to right.

Rev.: +AVRELIANIS. City gate. Denarius.

Prou 507; Gariel XVII, 89 (Gariel Coll.).

Gariel Coll., 741; Meyer Coll., 160.

Paris: 1.49 gr.; Berlin: 1.38 gr.; ANS: 1.59 gr. (PLATE XIII); Grierson: 1.71 gr. (var. HLVDVVICVSIMPAVG).

Find.: "Frisia" (1853)?

373. *Obv.*: +HLVDVVICVSIMP. Cross.

Rev.: AVREL/•/IANIS. Denarius.

Gariel XVII, 88 (Veuillin find).

Find.: Veuillin.

Burgundy

SENS

374. *Obv.*: HLVDVVICVSIMPAVG. Bust, laureate and draped, to right.

Rev.: +SENONES. City gate. Denarius.

Prou 565.

Münz. u. Med. July 1955, 499, 1.45 gr.; Kress Oct. 1960, 1382; Kress Dec. 1961, 657; Münz. u. Med. Nov. 1964, 10; Théry Coll., 37.

Paris: 1.49 gr. (PLATE XIII); ANS: 1.84 gr.

375. *Obv.*: HLVDVVICVSIMPAV. Bust, laureate and draped, to right.

Rev.: +SENONES. City gate with two circles beneath. Denarius. Gariel XVIII, 119 (Gariel Coll.).

Gariel Coll., 756.

Berlin: 1.07 gr., 1.07 gr. (PLATE XIII).

376. *Obv.*: +HLVDVVICVSIMP. Cross.

Rev.: SENO/NES. After the terminal S, a dart pointing from right to left. Denarius.

Prou 566, 567 = Gariel XVIII, 118, 117 (Gariel Coll.).

Schulman Oct. 1913, 364; Hamburger Nov. 1912, 38; Cahn Dec. 1932, 1246; Kress Oct. 1960, 1405; Kricheldorf June 1961 325; Schulman April 1965, 3283.

Paris: 1.90 gr., 1.67 gr.; Berlin: 1.78 gr., 1.80 gr.; ANS: 1.84 gr. (PLATE XIII); Brussels: 1.64 gr.; Grierson: 1.97 gr. (var.).

Find.: Veuillin; Belvézet; Angers (1812).

377. *Obv.*: +HLVDVVIC. Cross.

Rev.: SENO/NES. After the terminal S, a dart pointing from right to left. Obolus.

Prou 568.

Paris: 0.80 gr. (PLATE XIII).

CHALON-SUR-SAÔNE

378. *Obv.*: +HLVDVVICVSIMP. Cross.

Rev.: CAVIL/ONVM. Denarius.

Gariel XV, 44 (Gariel Coll.).

Gariel Coll., 699; Meyer Coll., 142.

Paris: (616a) 1.30 gr.; Berlin: 1.74 gr.

Find.: Veuillin.

LYON

379. *Obv.*: +HLVDVVICVSIMP. Cross.

Rev.: LVGD/•/VNVM. Denarius.

Prou 630, 631; Gariel XVI, 64 (Gariel Coll.).

Rosenberg Nov. 1904, 27; Cahn Dec. 1932, 1234; Münz. u. Med. Dec. 1948, 161; Münz. u. Med. Nov. 1957, 676, 1.78 gr.; Münz. u. Med. Nov. 1964, 8.

Paris: 1.73 gr., 1.78 gr.; Berlin: 1.75 gr., 1.80 gr. (PLATE XIII); ANS: 1.78 gr.; Grierson: 1.76 gr.
Find: Veuillin; Belvézet.

380. *Obv.*: +HLVDOVVICVSMP. Cross.
Rev.: LVCD/•/VIVM. Denarius.
 Prou 632.
 Paris: 1.83 gr.

BESANÇON

381. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: VESON/TIVM. Denarius.
 Gariel XV, 38 (Gariel Coll.).
 Gariel Coll., 693.
 Berlin: 1.63 gr. (PLATE XIII).

Brittany

RENNES

382. *Obv.*: +HLVDOVVICVSMP. Cross.
Rev.: REDO/NIS. Denarius.
 Gariel XVIII, 112 (Fillon, pl. VII, 13).
Find: Angers (1812).

NANTES

383. *Obv.*: LVDO/VVIC.
Rev.: +NAMNETVN. Cross. Obolus.
 Gariel XVII, 84 (Fillon, p. 126).
Find: Angers (1812).
384. *Obv.*: +HLVDOVVICVSMI. Cross.
Rev.: NAMH/•/ETVM. Denarius.
 Prou 653; Gariel XVII, 83 (Gariel Coll.).
 Gariel Coll., 738; Bordeaux Coll., 223.
 Paris: 1.78 gr.; Berlin: 1.81 gr. (PLATE XIII).
Find: Veuillin; Belvézet.

Aquitaine

385. *Obv.*: LVDO/VVIC.
Rev.: +AQVI+TANIA. Cross. Obolus.
 Prou 655 = Gariel XIV, 2.
 Paris: 0.81 gr. (PLATE XIII).

386. *Obv.*: +HOVDOVVICVS. Cross.
Rev.: AQVI/TANIA. Obolus.
 Prou 656; Gariel XIV, 4 (Gariel Coll., var. with +HLVDOVVICVSRE).
 Gariel Coll., 678; Meyer Coll., 130.
 Paris: 0.74 gr.; Vienna (PLATE XIII).
387. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: AQVI/TANIA. Denarius.
 Gariel XIV, 19 (Gariel Coll.).
388. *Obv.*: +HLVDOVVICVSHP. Cross.
Rev.: AQVI/TANIA. Obolus.
 Prou 658; Gariel XIV, 19 (Gariel Coll., var. +HLVDOVVICVSIMP).
 Gariel Coll., 685.
 Paris: 0.78 gr. (PLATE XIII).
Find: Fontaines.
389. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: + /AQVI/TANIA/ +. Denarius.
 Prou 657.
 Cahn Dec. 1932, 1227; Münz. u. Med. July 1955, 496; Lockett Coll., 328;
 Münz. u. Med. Nov. 1957, 675, 1.74 gr.; Kress Oct. 1960, 1384, 1.71 gr.;
 Théry Coll., 27; Kress Nov. 1966, 1463.
 Paris: 1.75 gr.; ANS: 1.74 gr.; Garrett: (6121) 1.86 gr.; Munich: 1.63 gr.;
 Vienna: 1.81 gr.
Find: Veuillin; Belvézet.
390. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: + /A R VI/TANIA. Denarius.
 Gariel XIV, 18 (Gariel Coll.).
 Berlin: 1.71 gr., 1.81 gr. (PLATE XIII).
391. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: A R VI/ LVH. Obolus.
 Gariel XIV, 3 (Cabinet de France). The Prou listings (nos. 675 and 676)
 vary.
 Paris: 0.47 gr., 0.57 gr.; Berlin: 0.62 gr., 0.68 gr., and one copper forgery
 weighing 0.56 gr.
392. *Obv.*: +HLVDOVVICVS. Cross.
Rev.: +AOVITANIA. Cross. Obolus.
Find: Lauzès, 0.65 gr.
- MELLE
393. *Obv.*: FVDO/::/VVlc.
Rev.: +METIILLVH. Cross with one dot in each corner. Obolus.
 Grierson: 0.57 gr.

394. *Obv.*: LVDO/VVIC.
Rev.: +METALLVM. Cross. Obolus.
 Prou 709, 710; Gariel XIV, 5 (Gariel Coll.), 6 (Gariel Coll.).
 Rousseau Coll., 342 (?), 343 (var. HLVD0/VVICVS); Gariel Coll., 679, 680; Meyer Coll., 131; Motte Coll., 123; Münzhandl. Basel Oct. 1936, 307; Kress Oct. 1960, 1395; Münz. u. Med. Nov. 1964, 9.
 Paris: 0.74 gr., 0.78 gr.; Berlin: 0.60 gr., 0.74 gr., 0.77 gr., 0.85 gr. (PLATE XIII); Brussels: (Inv. 41) 0.77 gr.; Dickie: 0.79 gr.; Grierson: 0.72 gr.; The Hague: (603) 0.70 gr.
Find: Fontaines.
395. *Obv.*: LVDOIC, in one line.
Rev.: +METALLVM. Cross. Obolus.
 Prou 711; Gariel XIV, 7 (Gariel Coll.).
 Gariel Coll., 681.
 Paris: 0.84 gr.; Berlin: 0.75 gr. (PLATE XIII).
396. *Obv.*: HLVD0VVICVSIMPAVC. Bust, laureate and draped, to right.
Rev.: +METALLVM. Two monetary dies between two hammers.
 Denarius.
 Prou 712, 713; Gariel XVI, 73, XVII, 74, 75 (Gariel Coll.).
 Rousseau Coll., 338; Cahn April 1912, 6; Cahn Dec. 1922, 516, 1.45 gr.; Cahn Oct. 1924, 8; Hamburger Feb. 1928, 709; Cahn Dec. 1932, 1241; Münz. u. Med. June 1951, 370; Münz. u. Med. July 1955, 498, 1.69 gr.; Lockett Coll., 326; Théry Coll., 32; Schulman Feb. 1966, 1183a.
 Paris: 1.64 gr., 1.66 gr.; Berlin: 1.67 gr., 1.69 gr., 1.70 gr. (PLATE XIII, two specimens); ANS: 1.56 gr., 1.37 gr.; Blunt; Brussels: 1.74 gr.; Copenhagen: (T. 1210) 1.64 gr.; Garrett: (6122) 1.51 gr.; Grierson: 1.69 gr.; Stuttgart: (2vII6.1949/297) 1.60 gr. (damaged).
397. *Obv.*: +HLVD0VVICVSIMP. Cross.
Rev.: +METALLVM. Two monetary dies between two hammers.
 Obolus.
 Prou 714; Gariel XVII, 76 (var. with +HLVD0VVICVSIM. No location).
 Rousseau Coll., 339, 340; Meyer Coll., 156; Cahn April 1929, 11, 0.77 gr.; Cahn Oct. 1929, 894, 0.77 gr.
 Paris: 0.85 gr.; Berlin: 0.72 gr., 0.76 gr.; ANS: 0.84 gr. (PLATE XIV); Blunt: 0.63 gr. (damaged and repaired); Brussels: 0.77 gr., (Inv. 42) 0.64 gr.; The Hague: (Inv. 17602) 0.70 gr.
398. *Obv.*: +HLVD0VVICVSIMP. Cross.
Rev.: META/•LLVM. Denarius.
 Prou 715, 716, 717, 718, 719; Gariel XVI, 68 (Gariel Coll.); BMS 36, 37.
 Rousseau Coll., 341; Cahn April 1929, 9; Cahn Dec. 1932, 1238; Cahn, Pricelist 1934, 2237; Théry Coll., 31.
 Paris: 1.72 gr., 1.62 gr., 1.63 gr., 1.55 gr., 1.69 gr., 1.73 gr.; Berlin: 1.41 gr., 1.52 gr., 1.73 gr.; ANS: 1.63 gr.; Alfred R. Bellinger: 1.72 gr.

(PLATE XIV); Blunt: 1.56 gr.; BM: (57-9-1-16-IGP) 1.37 gr., (1908-1-11-250-Lincoln) 1.71 gr.; Brussels: 1.66 gr., 1.78 gr.; Copenhagen: (K. T. 1212) 1.54 gr., (Bollin. 1852, var., lacking rev. dot) 1.67 gr.; Grierson: 1.76 gr.; The Hague: (Inv. 17605) 1.50 gr.; Stuttgart: (2v4176), (2v8496 var.) 1.51 gr.; Vienna: 1.71 gr.
Find: Indre; Veuillin; Angers (1812); Mullaghboden.

399. *Obv.*: +HLVDOVVICVSII. Cross.

Rev.: WETALLVM, in one line. Denarius.

Gariel XVI, 69 (Gariel Coll.).

Berlin: 1.29 gr.

Find: Belvézet.

400. *Obv.*: +HLVDOVVICVSIMP. Cross.

Rev.: +METALLVM. Cross. Denarius.

Gariel XVI, 70 (Gariel Coll.).

Helbing March 1902, 1488.

ANS: 1.72 gr.; Brussels: 1.46 gr., 1.63 gr., 1.70 gr.; The Hague: (Inv. 17601) 1.60 gr., (600) 1.85 gr.; Van Rede: (Br232) 1.76 gr.; Yale: 1.76 gr.

401. *Obv.*: +HLVDOVICVS. Cross.

Rev.: +METALLVM. Cross. Obolus.

Prou 721 = Gariel XIV, 8.

Paris: 0.77 gr.

402. *Obv.*: +HLVDOVVICVS. Cross.

Rev.: +METALLVM. Cross. Obolus.

Prou 722, 723; Gariel XVI, 71 (Gariel Coll., var. with +METALLVN).

Cahn April 1929, 10, 0.74 gr.; Cahn Dec. 1932, 1222; Cahn 1934, 2235; Lockett Coll. Feb. 1956, 330.

Paris: 0.80 gr., 0.67 gr. (PLATE XIV); Brussels: (Inv. 43) 0.69 gr., 0.70 gr.; The Hague: (Inv. 17606) 0.70 gr.

Find: Angers (1812)?

403. *Obv.*: +HLVDOICVS. Cross.

Rev.: +METALLVM. Cross. Obolus.

Prou 724 = Gariel XIV, 9.

Paris: 0.85 gr. (PLATE XIV); Berlin: 0.78 gr.

Find: Lough Lene?

404. *Obv.*: +HLVDOICVS. Cross.

Rev.: +METVLVM. Cross. Obolus.

Prou 725 = Gariel XIV, 8.

Paris: 0.82 gr.

405. *Obv.*: +HLVDOVVICVS. Cross.

Rev.: +ME∞TALLVII (retrograde). Cross with one dot in each corner. Obolus.

Gariel XVI, 72 (Gariel Coll.).

406. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: META/•/LLVM. Denarius.
 Prou 720.
 Paris: 1.62 gr.
407. *Obv.*: + HLVDOVVICVSIMP• Cross.
Rev.: +METALVVM• Cross. Denarius.
 Grierson: 1.49 gr.
Find: Veuillin.

BOURGES

408. *Obv.*: LVDO/VVIC.
Rev.: +BITVRIGES• Cross. Obolus.
 Prou 733; Gariel XV, 42 (Gariel Coll.).
 Gariel Coll., 697; Meyer Coll., 140; Bordeaux Coll., 214 (two pieces in lot).
 Paris: 0.80 gr.; Berlin: 0.70 gr. (PLATE XIV).
409. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: ITVRICRIG. Irregular cruciform pattern. Obolus.
 Gariel XV, 41 (Gariel Coll.).
 Gariel Coll., 696.
410. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: BITV/•/RIGES. Denarius.
 Prou 734; Gariel XV, 40 (Gariel Coll.).
 Rousseau Coll., 336; Cahn April 1912, 9; Cahn Dec. 1932, 1231; Kricheldorf Oct. 1958, 195; Kress Oct. 1960, 1385; 1386, 1387; Kricheldorf Nov. 1960, 299; Blaser-Frey June 1963, 2; Théry Coll., 29; Kress Nov. 1966, 1464.
 Paris: 1.82 gr.; ANS: 1.81 gr. (PLATE XIV); Blunt: 1.78 gr.; Grierson: 1.60 gr., 1.58 gr. (damaged); Brussels: 1.66 gr.
Find: Veuillin; Belvézet; Indre; Angers (1812); Tiszaeszlár.
411. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: ITVRICRIQE. Cross. Obolus.
 Gariel XV, 41 (Gariel Coll.).

Gascony

BORDEAUX

412. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: BVRDI/GALA. Denarius.
 Prou 789; Gariel XV, 39 (Gariel Coll.).
 Gariel Coll., 694; Meyer Coll., 138.
 Paris: 1.85 gr. (PLATE XIV); Garrett: (6123) 1.76 gr.
Find: Veuillin.

DAX

413. *Obv.*: +LVDOVVICVS. Cross.
Rev.: AQV/IS. Obolus.
 Gariel XVI, 52 (Musée de Marseilles).
414. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: AQVIS/VVAS/CON. Denarius.
 Gariel XVI, 50 (Fabre Coll.).
 Berlin: (PLATE XIV).
415. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: AQVIS/VASCON. Denarius.
 Prou 796; Gariel XVI, 49 (Gariel Coll.).
 Rousseau Coll., 337; Gariel Coll., 704; Meyer Coll., 146; Hamburger
 Nov. 1912, 27; Bordeaux Coll., 211 (ex Hamburger 1912); Cahn Dec.
 1932, 1232; Théry Coll., 398.
 Paris: 1.58 gr. (PLATE XIV).
Find.: Veuillin; Belvézet; Indre.
416. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: AQVIS/VASON. Denarius.
 Prou 797; Gariel XVI, 51 (Gariel Coll.).
 Gariel Coll., 705.
 Paris: 1.49 gr. (PLATE XIV).
Find.: Veuillin.

Toulousain

TOULOUSE

417. *Obv.*: HLVDVVICVSIMPAVC. Bust, laureate and draped, to right.
Rev.: +TOLVSA. City gate with cross at center and a second cross beneath. Denarius.
 Prou 803; Gariel XIX, 128 (Gariel Coll.).
 Gariel Coll., 762; Meyer Coll., 173; Bordeaux Coll., 208; Hamburger
 Nov. 1912, 40; A.N.A. Convention Sale 1952, 770 (ex Gariel Coll.).
 Paris: 1.60 gr., Berlin: 1.66 gr., 1.66 gr. (PLATE XIV, two specimens);
 ANS: 1.54 gr. (PLATE XIV); Garrett: (6124) 1.57 gr.
418. *Obv.*: HLVDVVICS. Bust, laureate and draped, to right.
Rev.: +TOLVSA. City gate with cross at center and second cross beneath. Obolus.
 Prou 804 = Gariel XIX, 129; Gariel XIX, 130 (Gariel Coll.).
 Gariel Coll., 763.
 Paris: 0.70 gr.; Berlin: 0.73 gr. (PLATE XIV).

419. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: +TOLVSACIVI. Cross. Denarius.
 Prou 805; Gariel XIX, 125 (Gariel Coll.).
 Rousseau Coll., 347; Hamburger Nov. 1912, 39; Münz. u. Med. Dec. 1949, 467; Gans-Grunthal April 1951, 581; Kress Oct. 1960, 1403.
 Paris: 1.59 gr.; Copenhagen: (K. P. 417) 1.47 gr.; Van Rede: (Br233) 1.53 gr.
Find.: Auzeville.
420. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: TOLO/SACIVI/TAS. Denarius.
 Prou 806.
 Cahn Dec. 1932, 1247; Théry Coll., 38 (with TOLO-2VCIAI).
 Paris: 1.75 gr.; ANS: 1.74 gr.
Find.: Veuillin; Belvêzet.
421. *Obv.*: +HLVDOVVICVSIMPER. Cross.
Rev.: TOLO/SACIVI/TAS. Denarius.
 Gariel XIX, 126 (Gariel Coll.).
 Berlin: 1.64 gr., 1.76 gr., 1.84 gr. (PLATE XIV).
422. *Obv.*: +HLVD:OVVICVSI. Cross with one dot in each corner.
Rev.: •T•OLO/SACIVI/.T•AS. Obolus.
 Gariel XIX, 127 (Gariel Coll.).
 Gariel Coll., 761.
 Berlin: 0.66 gr. (PLATE XIV).
Find.: Poitiers (1943) ?
423. *Obv.*: +HIVDOVVICVSIP. Cross with one dot in each corner.
Rev.: •T•OIO/SACIVI/TAS• Obolus.
 Grierson.

Spanish March

AMPURIAS

424. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: INPV/RIAS. Denarius.
 Prou 827, 828; Gariel XV, 33 (Gariel Coll., var. +HLVDOVVICVSINP).
 Gariel Coll., 690; Meyer Coll., 136; Heiss, p. 134, 1; Cahn Dec. 1932, 1223.
 Paris: 1.74 gr., 1.71 gr.; Berlin: 1.57 gr. (PLATE XV); Hispanic Society of America: 1.67 gr. (PLATE XV).
 Asociacion Numismatica Española Oct. 1966, 189A.
Find.: Veuillin; Belvêzet.

BARCELONA

425. *Obv.*: +HLVDOVVICVSIMP: Cross.
Rev.: BAR/CNIO/NA. Denarius.
 Gariel XV, 37 (Veullin find).
 Garrett: (6125) 1.68 gr.
Find: Veullin.
426. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: BAR/CINO/NA. Denarius.
 Prou 830.
 Heiss, pl. 77, 1, 2.
 Paris: 1.62 gr.; Hispanic Society of America: (17962, var., dot after the terminal A in the rev. inscription) 1.61 gr. (PLATE XV).
Find: Belvézet.
427. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: BAR/CINO/NA:. Denarius.
 Prou 831 = Gariel XV, 35 (?).
 Gariel Coll., 692; Meyer Coll., 137; Cahn Dec. 1932, 1230; Hess, Lucerne July 1933, 79.
 Paris: 1.30 gr.; Berlin: 1.58 gr.
428. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: BVR/CINO/NA. Denarius.
 Prou 832 = Gariel XV, 36.
 Paris: 1.67 gr.

RODA

429. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: ROD/DA. Denarius.
 Prou 833 = Gariel XVIII, 113.
 Paris: 1.67 gr. (PLATE XV).

Septimania

NARBONNE

430. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: NAR/•/BONA. Denarius.
 Prou 836; Gariel XVII, 85 (Gariel Coll.); BMS 38, 39.
 Rousseau Coll., 345; Schulman 1931, 93; Cahn Dec. 1932, 1242; Hess, Lucerne July 1933, 82; Kress Oct. 1960, 1396; Blaser-Frey June 1963, 3; Théry Coll., 33.

Paris: 1.65 gr.; Berlin: 1.86 gr. (PLATE XV); ANS: 1.80 gr.; BM: (57-9-1-18-IGP) 1.63 gr., (1908-10-11-1251) 1.46 gr.; Brussels: 1.59 gr.; Grierson: (var., one dot in one corner of the obv. cross).

Find: Veullin; Belvézet; Lauzès, 1.51 gr.

431. *Obv.*: +LDVCSIMP. Cross.

Rev.: NAR/BONA. Obolus.

Prou 837, 838; Gariel XVII, 87 (Gariel Coll.).

Rousseau Coll., 346; Hamburger Nov. 1912, 34; Cahn April 1929, 8, 0.82 gr.; Kress Oct. 1960, 1397.

Paris: 0.79 gr., 0.83 gr.; Berlin: 0.82 gr.; ANS: 0.72 gr. (PLATE XV).

432. *Obv.*: +HLVDOVSNP. Cross.

Rev.: NAR/BONA. Obolus.

Prou 839 = Gariel XVII, 86.

Paris: 0.65 gr.

Provence

VIENNE

433. *Obv.*: +IILVDOVVICVSIIP. Cross.

Rev.: VIENNA, in one line. Denarius.

Prou 842; Gariel XX, 146 (Gariel Coll., var. with +HLVDOVVICVSIIP).

Gariel Coll., 7774; Meyer Coll., 181; Cahn Dec. 1932, 1251.

Paris: 1.75 gr.; Berlin: 1.75 gr. (PLATE XV).

Find: Belvézet.

434. *Obv.*: +HLVDOVVICVSIMP. Cross.

Rev.: VENNA, in one line. Denarius.

Prou 843 (var. with VEHHA); Gariel XX, 147 (Gariel Coll.).

Paris: 1.76 gr. (PLATE XV).

ARLES

435. *Obv.*: HLVDVVICVSIMPAV6. Bust, laureate and draped, to right.

Rev.: +ARELATVM• City gate. Denarius.

Prou 856 = Gariel XV, 30 (?); 27 (Veullin find), 28 (Fabre Coll., var.).

Rousseau Coll., 335; Cahn Dec. 1932, 1228; Münz. u. Med. July 1955, 497; Kress Oct. 1960, 1383, 1.87 gr.

Paris: 1.55 gr.; Berlin: 1.67 gr. (PLATE XV); The Hague: (Inv. 17628) 1.00 gr. (damaged); Munich: 1.64 gr.

Find: Veullin; Belvézet; Hon.

436. *Obv.*: HLVDVVICVSIMPAVC. Bust, laureate and draped, to right.

Rev.: +ARELATVM+ (retrograde). City gate. Denarius.

Prou 857 = Gariel XV, 29.

Paris: 1.44 gr.; Brussels: 1.57 gr.

437. *Obv.*: HLVDVVICVSIMPAC. Bust, laurelled and draped, to right.

Rev.: +ARELATVM. City gate. Denarius.

Prou 858 = Gariel XV, 31.

Paris: 1.25 gr.

438. *Obv.*: HLVDVVICVSIMP. Bust, laureate and draped, to right.

Rev.: +ARELATVM. City gate. Obolus.

Gariel XV, 32 (Gariel Coll.).

Gariel Coll., 689.

Berlin: 0.68 gr.

439. *Obv.*: +HLVDVVICVSIMP. Cross.

Rev.: AREL/•/ATVM. Denarius.

Prou 859; Gariel XIV, 22 (Gariel Coll.).

Hamburger Nov. 1912, 25; Cahn Dec. 1932, 1229; Schulman April 1965, 3281.

Paris: 1.78 gr.; Berlin: 1.83 gr.; ANS: 1.76 gr. (PLATE XV); Copenhagen: (B. P. 1254) 1.21 gr.; Grierson: 1.68 gr.; Hannover: (Inv. 1930.12) 1.78 gr.; Munich: 1.57 gr., 1.60 gr.

Find: Veuillin; Belvézet; Indre.

440. Same as foregoing. Obolus.

Gariel XIV, 23 (Gariel Coll.), 24 (Gariel Coll., var.).

Gariel Coll., 687, 688; Helbing Dec. 1917, 5; Hamburger Nov. 1912, 26; Schlessinger March 1930, 1497.

Berlin: 0.75 gr., 0.81 gr. (PLATE XV); The Hague: (602) 0.72 gr. (damaged).

441. *Obv.*: +NLVDVVICVSIMP. Cross.

Rev.: AREL/•/ATVM. Obolus.

Prou 860.

Paris: 0.83 gr.

442. *Obv.*: +HLVDVVICMP. Cross with one dot in each corner.

Rev.: AREL/•/ATVM. Obolus.

Gariel XIV, 24 (Gariel Coll.), 25 (Fillon, pl. VII, 11, var.).

443. *Obv.*: +HLVDVVICI. Cross.

Rev.: AÆEL/•/ATVN. Obolus.

Gariel XV, 26 (Brussels).

MARSEILLE

444. *Obv.*: XHLVDVVICVSIMP. Cross.

Rev.: MASS/•/ILIA. Denarius.

Prou 886; Gariel XVI, 65 (Gariel Coll.); *BMS* 40.

Rousseau Coll., 352; Cahn April 1912, 8; Cahn March 1926, 22; Cahn April 1929, 6; Cahn Oct. 1929, 892; Cahn, Pricelist 1934, 2236; Münz. u. Med. Nov. 1957, 677, 1.74 gr.; Kress Oct. 1960, 1391; Théry Coll., 30. Paris: 1.65 gr.; Berlin: 1.63 gr., 1.66 gr.; ANS: 1.73 gr. (PLATE XV); BM: (57-9-1-14. IGP) 1.59 gr.; Copenhagen: (T. 1209) 1.62 gr.; Hannover: (Inv. 1930.314) 1.65 gr.; Oslo: 1.54 gr.; Vienna: 1.34 gr.
Find: Veullin; Belvézet.

Italy

PAVIA

445. *Obv.*: HLVDVVICVSIMPAVC. Bust, laureate and draped, to right.
Rev.: +PAPIA. City gate. Denarius.
Prou 900, 901; Gariel XVIII, 98 (Gariel Coll.).
CNI IV, p. 469, 1, 2; Gariel Coll., 748; Meyer Coll., 188; Bordeaux Coll., 209; Ratto Dec. 1930, 2523; Théry Coll., 35.
Paris: 1.44 gr., 1.34 gr.; Berlin: 1.14 gr., 1.72 gr. (PLATE XV); Munich: 1.62 gr.; Papadopoli: (136) 1.78 gr.
Find: Brioux.
446. *Obv.*: HLVDVVICI. Bust to right.
Rev.: +PAPIA. City gate. Obolus.
Gariel LXI, 15 (*Annuaire de la Société de numismatique*, 1867, p. 141).
CNI IV, p. 469, 3 (as denarius); Gariel Coll., 1335.
Berlin: 1.10 gr. (PLATE XVI).
447. *Obv.*: +HLVDVVICVSIMP. Cross.
Rev.: PAPIA, in one line. Denarius.
Prou 902, 903 (var. with PVPIV); Gariel XVII, 95 (Gariel Coll.), 96 (Gariel Coll., var. with PHPIH). *BMS* 41, 42.
CNI IV, p. 469f., 5-8; Cahn Dec. 1922, 518, 1.80 gr.; Cahn Oct. 1929, 895, 1.52 gr.; Helbing Oct. 1933, 1526, 1527, 1529; Münz. u. Med. Dec. 1949, 468; Münz. u. Med. June 1951, 430; Lockett Coll., 332; Münz. u. Med. Dec. 1957, 681, 1.81 gr.; Kress Nov. 1966, 1466.
Paris: 1.71 gr., 1.70 gr.; Berlin: 1.59 gr., 1.86 gr.; ANS: 1.71 gr., 1.78 gr., 1.91 gr. (PLATE XVI); BM: (57-9-1-20-IGP) 1.73 gr., (SSB-101-47) 1.77 gr.; Brussels: 1.69 gr.; Grierson: 1.73 gr.; The Hague: (Inv. 17633) 1.30 gr., (Inv. 17632) 1.50 gr.; Munich: 1.67 gr.; Papadopoli: (138) 1.43 gr., (139) 1.80 gr., (137) 1.85 gr.; Vienna: 1.51 gr.
Find: Veullin; Belvézet.
448. *Obv.*: +HLVDVVICVSIMP. Cross.
Rev.: PAPIA/CIVITA. Denarius.
Gariel XVIII, 97 (Gariel Coll.).
CNI IV, p. 470, 9, 10.
Berlin: 1.84 gr. (PLATE XVI).
Find: Veullin.

MILAN

449. *Obv.*: HLVDVVICVSIMPAVC. Bust, laureate and draped, to right.

Rev.: +MEDIOLANVM. Temple. Denarius.

Prou 907, 908; Gariel XVII, 82 (Gariel Coll.); *BMS* 43.

CNI V, pp. 6f., 1-10; Gariel Coll., 737; Meyer Coll., 186; Hamburger Jan. 1902, 2493; Helbing Oct. 1933, 1297.

Paris: 1.68 gr., 1.37 gr.; Berlin: 1.66 gr., 1.67 gr. (PLATE XVI);

BM: (SSB-100-36, var. MEDIOLANVN) 1.78 gr.; Papadopoli: (140) 1.58 gr.; Stuttgart: (2v8497) 1.70 gr.

450. *Obv.*: +HLVDVVICVSIMP. Cross.

Rev.: MEDIOLANVM. Temple. Denarius.

Gariel XVII, 81 (Gariel Coll.).

CNI V, p. 7, 11.

Berlin: 1.81 gr.

451. *Obv.*: +HLVDVVICVSIMP. Cross.

Rev.: MEDIO/•/LANVM. Denarius.

Prou 909; Gariel XVII, 80 (Gariel Coll., var., lacking reverse dot); *BMS* 44, 45.

CNI V, p. 9, 12-25; Hamburger Nov. 1912, 33; Cahn April 1929, 13; Helbing Oct. 1933, 1298, 1299, 1300; Münz. u. Med. Dec. 1957, 680, 1.76 gr.; Kress Oct. 1960, 1389; R. G. Nascia Oct. 1965, 263.

Paris: 1.78 gr.; Berlin: 1.66 gr., 1.73 gr., 1.75 gr. (PLATE XVI); ANS: 1.74 gr.; BM: (1908-10-11-505-Lincoln) 1.62 gr., (57-9-1-17-IGP) 1.56 gr.; Grierson: 1.71 gr.; Papadopoli: (142) 1.35 gr., (143) 1.58 gr., (141) 1.67 gr.; Stuttgart: (2v8498) 1.70 gr.; Vienna: 1.81 gr.

Find: Veuillin; Belvézet.

TREVISO

452. *Obv.*: HLVDVVICVSIMPAVG. Bust, laureate and draped, to right.

Rev.: +TARVISIVM. City gate. Denarius.

RBN 1896, p. 395 (Now Frère Coll.); *CNI* VI, p. 229, 1.

RBN: 1.60 gr. (PLATE XVI).

453. *Obv.*: +HLVDVVICVSIMP. Cross.

Rev.: TARVI/SIVM. Denarius.

Prou 913, 914; Gariel XIX, 138 (Gariel Coll.), 139 (Gariel Coll.).

CNI VI, p. 229, nos. 2-7; Hess June 1888, 49; Rosenberg Nov. 1904, 29; Schulman 1931, 102; Münz. u. Med. July 1955, 500.

Paris: 1.90 gr., 1.51 gr.; Berlin: 1.77 gr., 1.78 gr.; ANS: 1.65 gr. (PLATE XVI); The Hague: (Inv. 17644) 1.70 gr.

Find: Veuillin; Belvézet.

LUCCA

454. *Obv.*: +HLVDOV.VICVSIMP. Cross.

Rev.: LVCA, in one line. Denarius.

Gariel XVI, 63 (Gariel Coll.).

Gariel Coll., 720.

Berlin: 1.68 gr. (PLATE XVI).

Find: Belvézet.

VENICE

455. *Obv.*: +HLVDOVVICVSIMP. Cross.

Rev.: +VENE/CIASMO/NETA. Denarius.

Gariel XIX, 143 (Gariel Coll.).

CNI VII, pl. I, 1; Hamburger Nov. 1912, 43; Santamaria Nov. 1913, 3928; Münz. u. Med. June 1951, 448. The specimens which appeared in the trade are forgeries, cf. P. Grierson, *ANSCent. Publ.*, pl. 19, 5.

Berlin: 1.20 gr. (PLATE XVI).

Find: Veuillin.

456. *Obv.*: +HLVDOVVICVSIMP. Cross.

Rev.: +VEN/ECIAS. Denarius.

Prou 917, 918; Gariel XIX, 140 (Gariel Coll.), 141 (Veuillin find); *BMS* 46, 47.

CNI VII, pp. 2-6, 1-41 (var.); Rousseau Coll., 359; Cahn April 1912, 10; Cahn Dec. 1922, 519, 1.70 gr.; Cahn March 1926, 26; Cahn Oct. 1929, 896, 1.30 gr.; Münzhandl. Basel Dec. 1925, 15; Helbing Oct. 1932, 892; Helbing Oct. 1933, 1563, 1565; Münz. u. Med. Dec. 1957, 682, 1.38 gr.; Münz. u. Med. Nov. 1963, 541; Münz. u. Med. Pricelist Dec. 1966, 166. Paris: 1.39 gr., 1.65 gr.; Berlin: 1.33 gr., 1.40 gr., 1.55 gr., 1.63 gr., 1.84 gr. (PLATE XVI); ANS: 1.35 gr.; Blunt: 1.43 gr.; BM: (SSB-114-1) 1.63 gr., (47-11-8-1429-K) 1.37 gr.; Brussels: 1.57 gr.; Garrett: (6126) 1.45 gr.; Grierson: 1.50 gr.; The Hague: 0.80 gr. (fragment), (Inv. 17638) 1.50 gr., (Inv. 17639) 1.40 gr.; Munich: 1.57 gr., 1.58 gr.; Oslo: 1.71 gr.; Stuttgart: (2v7741) 1.52 gr.; Vienna: 1.70 gr.

Find: Veuillin; Belvézet; Hermenches; Dorestadt (1846)?; Ide; Regensburg; Boppard; Neumünster-Grotenkamp; Aachen (1929); Schowen.

457. *Obv.*: +HLVDOVVICVSIMP. Cross.

Rev.: +VEN/ECIAS. Denarius.

Prou 919, 920; *BMS* 48.

Paris: 1.65 gr., 1.39 gr.; BM: (57-9-1-13-IGP, forgery) 1.40 gr., (1906-11-3-3585-Parkes Weber Gift) 1.37 gr.

Find: Schowen.

458. *Obv.*: +HLVDOVVICVSIMP. Cross.

Rev.: +VEN/ECIAS. Denarius.

Gariel XIX, 142 (Veuillin find); *BMS* 49.

BM: (SSB-114-1) 1.48 gr.

Find: Veuillin.

Indeterminate Mints

FIRST PERIOD

459. *Obv.*: hLV/DVlh, with three dots between the lines.
Rev.: AR-ĀNIS. Cross. Denarius.
 Gariel XIV, 1 (Gariel Coll.).
 Gariel Coll., 677; Hamburger Nov. 1912, 24 (broken and unsold).
 Berlin: 1.20 gr., 1.23 gr.
460. *Obv.*: hLV/OVlh, with one bar above the monogram and a second bar beneath it.
Rev.: BET/o/C. Denarius.
Bulletin de la Société française de numismatique, June 1955, p. 324.
 Paris: 1.17 gr. (PLATE XVI).
461. *Obv.*: hL·U/·DUlh·
Rev.: S~~Λ~~I. Denarius.
 Engel and Serrure, I, p. 232; Nöbbe, no. 69.
 Schloss Gotthorp: 1.02 gr. (PLATE XVI).
Find: Krinkberg.

SECOND PERIOD

462. *Obv.*: +HLVDOVVICVSIMP· Cross.
Rev.: ALDVN/HEIM. Denarius.
 Gariel XV, 34 (Gariel Coll.).
 Gariel Coll., 691; Schulman June 1961, 156; Théry Coll., 28.
 Berlin: 1.78 gr.
Find: Veuillin.
463. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: ALA/BOTES/HAIN. Denarius.
 Gariel XIV, 20 (Brussels), 21 (Brussels).
 Berlin: 1.34 gr., 1.58 gr.; Brussels: 1.45 gr., 1.78 gr.
464. *Obv.*: +IVDOVVISREX. Cross with one dot in each corner.
Rev.: AQVI/NAT, with a row of dots between the lines. Obolus.
 Gariel, XIV, 3.
465. *Obv.*: HLVDovicvsimp. Bust to right, degenerate.
Rev.: LEDCII/VISTA. Obolus.
 Gariel XVI, 62 (Gariel Coll.).
 Gariel Coll., 719.
466. *Obv.*: LVDO/VVIC.
Rev.: +PISTIANAREI. Cross with one dot in one corner. Obolus.

Gariel XX, 148 (Gariel Coll.).
Berlin: 0.71 gr. (PLATE XVII).

467. *Obv.*: LVDO/VVIC.

Rev.: +PISTIANARI. Cross with one dot in one corner. Obolus.
Gariel XX, 149 (Voillemier Coll.).

468. *Obv.*: LVDO/VVIC.

Rev.: +RIANAELIIO. Cross. Obolus.
Gariel XX, 150 (Combrouse, pl. XVIII, 10).

469. *Obv.*: HLVDVVICVSIMPAVG. Bust, laureate and draped, to right.

Rev.: XPISTIANARELIGIO. Temple. Denarius.

Prou 984, 985, 986; Gariel XLIII, 1 (Brussels), 2 (Gariel Coll. and the stock of Hoffmann); *BMS* 50.

CNI V, p. 20, 47; Meyer Coll., 182; Cahn Dec. 1932, 1252; Rosenberg Dec. 1932, 2; Lockett Coll., 325.

Paris: 1.68 gr., 1.62 gr., 1.57 gr.; Berlin: 1.42 gr., 1.53 gr., 1.66 gr., 1.72 gr., 1.77 gr. (PLATE XVII); BM: (SSB-127-23) 1.64 gr.; Brussels: 1.50 gr., 1.51 gr., (Inv. 51) 1.65 gr., 1.76 gr., (Inv. 50) 1.84 gr. (gilded); Grierson: 1.69 gr.; Papadopoli: (163) 1.20 gr.

Find: "Frisia (1853)."

470. *Obv.*: +HLVDVVICVSINPAVG. Bust.

Rev.: [Presumably XPISTIANARELIGIO.] Temple. A/. Genuine?
J. de S. Quintino, "Notice sur les monnaies des princes de Salerne,"
RN 1841, p. 56.

RN: 3.44 gr.

471. *Obv.*: ODOVVISVJIMPAVG. Bust, laureate and draped, to right.

Rev.: XPISTIANAREICIO. Temple. Obolus.

Berlin: 0.64 gr. (PLATE XVII).

Find: Lauzès, 0.51 gr.

472. *Obv.*: +HLVDVVICVSIMP. Cross with one dot in each corner.

Rev.: XPISTIANARELIGIO. Temple. Denarius.

Prou 987-1004, 1006-1017, 1026-1032, 1034-1041; Gariel XLIII, 3, 6-8, 14; *BMS* 51-73.

Paris: 1.67 gr., 1.57 gr., 1.60 gr., 1.59 gr., 1.52 gr., 1.61 gr., 1.52 gr., 1.46 gr., 1.43 gr., 1.86 gr., 1.36 gr., 1.44 gr., 1.60 gr., 1.72 gr., 1.78 gr., 1.57 gr., 1.37 gr., 1.40 gr., 1.54 gr., 1.45 gr., 1.51 gr., 1.54 gr., 1.14 gr., 1.50 gr., 1.70 gr., 1.57 gr., 1.58 gr., 1.48 gr., 1.60 gr., 1.16 gr., 1.64 gr., 1.50 gr., 1.45 gr., 1.47 gr., 1.64 gr., 1.22 gr., 1.14 gr., 1.27 gr., 1.06 gr., 1.41 gr., 1.23 gr., 1.15 gr., 1.36 gr., 1.24 gr.; Berlin: 0.75 gr., 0.90 gr., 0.96 gr., 1.02 gr., 1.03 gr., 1.09 gr., 1.13 gr., 1.14 gr., 1.17 gr., 1.19 gr., 1.19 gr., 1.28 gr., 1.28 gr., 1.39 gr., 1.44 gr., 1.45 gr., 1.49 gr., 1.50 gr., 1.51 gr., 1.51 gr., 1.53 gr., 1.53 gr., 1.54 gr., 1.55 gr., 1.55 gr., 1.57 gr., 1.58 gr.,

1.58 gr., 1.60 gr., 1.61 gr., 1.61 gr., 1.61 gr., 1.62 gr., 1.66 gr., 1.67 gr.,
 1.68 gr., 1.68 gr., 1.69 gr., 1.70 gr., 1.71 gr., 1.73 gr., 1.74 gr., 1.75 gr.,
 1.75 gr., 1.79 gr.; ANS: 1.20 gr., 1.21 gr., 1.31 gr., 1.35 gr., 1.40 gr.,
 1.49 gr., 1.51 gr., 1.54 gr., 1.68 gr., 1.68 gr., 1.81 gr. (PLATE XVII);
 Assen Museum: (M1855/1935-9-A-15) —, (M1872-6c) —, (M1887-26)
 —, (—) 0.99 gr., (M1872-5) 1.09 gr., (M1872-5) 1.09 gr., (M1872-190)
 1.13 gr., (M1872-5) 1.16 gr., (M1872-5) 1.18 gr., (M1872-5) 1.18 gr.,
 (M1872-5) 1.18 gr., (M1872-22) 1.19 gr., (M1872-5) 1.21 gr., (M1872-5)
 1.21 gr., (M1872-5) 1.22 gr., (M1872-5) 1.22 gr., (M1872-5) 1.23 gr.,
 (M1872-5) 1.27 gr., (M1872-18) 1.28 gr., (M1870-2f) 1.29 gr., (M1872-5)
 1.29 gr., (Ide) 1.30 gr., (M1872-5) 1.20 gr., (M1872-5) 1.31 gr., (M1872-5)
 1.31 gr., (M1872-5) 1.32 gr., (M1872-5d) 1.32 gr., (M1872-5) 1.32 gr.,
 (M1870-E) 1.32 gr., (M1872-5) 1.33 gr., (Ide) 1.33 gr., (M1872-17) 1.34
 gr., (M1872-5) 1.34 gr., (Ide) 1.34 gr., (M1870-2) 1.35 gr., (M1872-5)
 1.35 gr., (M1872-5) 1.36 gr., (M1872-5) 1.36 gr., (M1872-5) 1.36 gr.,
 (Ide) 1.36 gr., (M1870-F) 1.37 gr., (M1870-A) 1.38 gr., (M1870-2a) 1.39
 gr., (Ide) 1.39 gr., (M1872-5f) 1.40 gr., (M1872-5) 1.40 gr., (M1872-5)
 1.40 gr., (M1872-5) 1.40 gr., (M1870-D) 1.40 gr., (M1872-5) 1.41 gr.,
 (M1872-6f) 1.41 gr., (M1872-5f) 1.42 gr., (M1872-5) 1.42 gr., (Ide) 1.42
 gr., (Ide) 1.42 gr., (M1872-5) 1.43 gr., (M1872-5) 1.43 gr., (M1872-18a)
 1.43 gr., (M1872-24a) 1.44 gr., (M1872-5) 1.45 gr., (M1872-5) 1.45 gr.,
 (M1872-7a) 1.45 gr., (M1872-5) 1.45 gr., (M1872-5) 1.46 gr., (M1872-24)
 1.48 gr., (Ide) 1.48 gr., (M1872-5) 1.50 gr., (M1872-5) 1.50 gr., (M1872-5)
 1.50 gr., (Ide) 1.50 gr., (M1872-5) 1.51 gr., (M1872-5) 1.51 gr., (M1872-5)
 1.51 gr., (M1872-5) 1.51 gr., (M1872-5) 1.51 gr., (M1872-5) 1.52 gr.,
 (M1872-5) 1.52 gr., (M1872-5) 1.52 gr., (M1892-3c) 1.52 gr., (M1872-5)
 1.53 gr., (M1872-5) 1.53 gr., (M1872-5) 1.53 gr., (M1872-5) 1.53 gr.,
 (M1872-5) 1.53 gr., (M1872-5) 1.53 gr., (M1872-5) 1.53 gr., (M1872-5)
 1.53 gr., (M1872-5) 1.53 gr., (M1872-5) 1.53 gr., (M1872-5) 1.53 gr.,
 (M1872-5) 1.54 gr., (M1872-5) 1.55 gr., (M1872-6d) 1.55 gr., (M1872-5)
 1.57 gr., (M1872-5) 1.57 gr., (M1872-5) 1.57 gr., (M1872-5) 1.57 gr., (Ide)
 1.57 gr., (M1872-5) 1.58 gr., (M1872-21) 1.58 gr., (M1872-6a) 1.58 gr.,
 (M1872-5) 1.59 gr., (M1872-5) 1.60 gr., (M1872-5) 1.60 gr., (M1872-5)
 1.60 gr., (M1872-6L) 1.61 gr., (M1872-5) 1.61 gr., (M1872-5) 1.61 gr.,
 (M1872-7) 1.61 gr., (M1872-5) 1.61 gr., (M1872-5) 1.61 gr., (M1872-6g)
 1.62 gr., (M1855/1935-9-A16) 1.62 gr., (Ide) 1.62 gr., (Ide) 1.62 gr.,
 (M1872-5) 1.63 gr., (M1872-5) 1.63 gr., (M1872-5) 1.63 gr., (M1872-5h)
 1.63 gr., (M1872-5) 1.63 gr., (M1872-5) 1.63 gr., (M1872-5) 1.63 gr.,
 (M1855/1955-9-A-14) 1.63 gr., (M1892-3c) 1.63 gr., (M1872-5) 1.64 gr.,
 (M1872-4) 1.64 gr., (M1872-23) 1.64 gr., (M1872-5) 1.64 gr., (M1872-5)
 1.65 gr., (M1872-5) 1.65 gr., (M1872-5) 1.65 gr., (Ide) 1.65 gr., (Ide)
 1.65 gr., (M1872-5) 1.66 gr., (M1870-c) 1.67 gr., (M1870-2a) 1.67 gr.,
 (M1872-5) 1.67 gr., (M1872-5) 1.67 gr., (M1870-c) 1.67 gr., (M1870-2a)
 1.67 gr., (Ide) 1.67 gr., (M1872-5) 1.68 gr., (M1872-5) 1.68 gr., (M1872-5)
 1.68 gr., (M1872-5) 1.68 gr., (M1872-5) 1.69 gr., (M1872-5) 1.69 gr.,
 (M1872-2g) 1.69 gr., (M1872-2g) 1.69 gr., (M1872-5) 1.69 gr., (M1872-5)
 1.69 gr., (M1872-5) 1.70 gr., (M1870-2b) 1.70 gr., (M1872-5) 1.70 gr.,
 (M1872-5) 1.70 gr., (M1872-5) 1.71 gr., (M1872-5) 1.71 gr., (M1872-5b)
 1.72 gr., (M1872-5c) 1.73 gr., (M1872-5) 1.74 gr., (M1872-5) 1.74 gr.,
 (M1872-5) 1.74 gr., (M1872-6) 1.74 gr., (M1872-5a) 1.77 gr.; Blunt:

1.37 gr.; 1.39 gr., 1.50 gr., 1.62 gr.; Bodleian; Ashmolean: (3 specimens); BM: 1.58 gr. (George III), 1.56 gr. (292-T-33), 1.70 gr. (296-T-25), 1.05 gr. (298-T-37), 1.59 gr. (299-T-38), 1.72 gr. (SSB-124-44), 1.85 (SSB-127-20), 1.39 gr. (SSB-127-20), 1.37 gr. (SSB-127-20), 1.64 gr. (40-3-14-174-Gravesend), 1.15 gr. (41-11-23-3-fragment), 1.54 gr. (47-2-15-25-E), 1.70 gr. (48-4-19-247-E), 1.32 gr. (57-9-1-10-IGP) 1.61 gr. (57-9-1-11-IGP), 0.97 gr. (57-9-1-51-IGP), 1.70 gr. (1908-10-11-506), 1.69 gr. (1908-10-11-507-Lincoln), 1.33 gr. (1909-10-667-Spink), 1.07 gr. (1909-10-6-8-Spink), 1.52 gr. (1915-5-7-331-Morgan [Evans]), 1.72 gr. (1920-9-7-1124-Hasluk Bequest); Brussels: 0.77 gr., 0.95 gr., 0.95 gr., 1.10 gr., 1.15 gr., 1.18 gr., 1.24 gr., 1.26 gr., 1.30 gr., 1.32 gr., 1.32 gr., 1.32 gr. 1.40 gr., 1.43 gr., 1.45 gr., 1.47 gr., 1.47 gr., 1.48 gr., 1.49 gr., 1.50 gr., 1.51 gr., 1.53 gr., 1.54 gr., 1.56 gr., 1.58 gr., 1.59 gr., 1.59 gr., 1.59 gr., 1.59 gr., 1.60 gr., 1.60 gr., 1.60 gr., 1.61 gr., 1.61 gr., 1.62 gr., 1.62 gr., 1.63 gr., 1.63 gr., 1.63 gr., 1.64 gr., 1.65 gr., 1.65 gr., 1.70 gr., 1.70 gr., 1.72 gr., 1.72 gr., 1.73 gr., 1.73 gr., 1.73 gr., 1.73 gr., 1.76 gr., 1.81 gr.; Copenhagen: (T. 1282) 0.84 gr., (K. P. 785) 0.91 gr., (G. P. 1392) 1.14 gr., (T. 1217) 1.24 gr., (Devegge no. 11) 1.30 gr., (T. 1219) 1.41 gr., (T. 1281) 1.47 gr., (K. P. 848) 1.50 gr., (F. P. 688) 1.51 gr., (T. 1222) 1.51 gr., (T. 1221) 1.52 gr., (T. 1218) 1.59 gr., (Devegge no. 12) 1.66 gr., (2/holm-243, F. P. 128) 1.69 gr., (K. P. 1296) 1.72 gr., (K. P. 1324) 1.94 gr.; Frankfurt a.M.: 1.39 gr.; Musée Frison: 986 (Y4680), 987 (Y4681), 988 (Y4682), 989 (Y4683), 990 (Y4684), 991 (Y4685), 992 (Y4686), 993 (Y4687), 994 (Y4688), 995 (Y4689), 996 (Y4690), 997 (Y4691), 998 (Y4692), 997 (Y6491), 998 (Y4692), 999 (Y4692), 1000 (Y4694), 1001 (Y4695), 1002 (Y4696), 1003 (Y4697), 1004 (Y4698), 1005 (Y4692), 1006 (Y4700), 1007 (Y4702), 1008 (Y4701), 1009 (Y4703), 1011 (Y4705), 1012 (Y4706), 1013 (Y4707), 1014 (Y4708), 1015 (Y4709), 1016 (Y4710), 1017 (Y6035), 1018 (Y6036), 1019 (Y6037); Grierson: 1.26 gr. (damaged), 1.36 gr. (damaged), 1.41 gr., 1.45 gr., 1.48 gr., 1.56 gr., 1.56 gr., 1.58 gr., 1.67 gr., 1.82 gr.; The Hague: (Inv. 17670) 1.70 gr., (Inv. 17716) 0.80 gr., (563) 0.92 gr., (594) 0.94 gr., (578) 0.98 gr., (Inv. 1931:279) 1.00 gr., (Inv. 17669) 1.00 gr., (Inv. 17672) 1.00 gr., (Inv. 17706) 1.05 gr., (584) 1.07 gr., (Wagenbogen) 1.09 gr., (580) 1.10 gr., (Inv. 17692) 1.10 gr., (565) 1.13 gr., (Inv. 17701) 1.15 gr., (Inv. 17725) 1.15 gr., (569) 1.17 gr., (Inv. 17684) 1.20 gr., (Inv. 17674) 1.20 gr., (Inv. 17709) 1.20 gr., (Inv. 17712) 1.20 gr., (595) 1.21 gr., (573) 1.21 gr., (596) 1.23 gr., (Inv. 17710) 1.25 gr., (Inv. 17711) 1.25 gr., (Inv. 17715) 1.25 gr., (Wagenbogen) 1.29 gr., (560) 1.30 gr., (17666) 1.30 gr., (Inv. 17677) 1.30 gr., (Inv. 17694) 1.30 gr., (Inv. 17708) 1.30 gr., (Wagenbogen) 1.31 gr., (576) 1.32 gr., (Wagenbogen) 1.33 gr., (Wagenbogen) 1.35 gr., (1931:285) 1.35 gr., (Inv. 17703) 1.35 gr., (Inv. 17707) 1.35 gr., (Wagenbogen) 1.36 gr., (562) 1.38 gr., (589) 1.38 gr., (579) 1.39 gr., (572) 1.40 gr., (572) 1.40 gr., (17688) 1.40 gr., (Inv. 1931:282) 1.40 gr., (Inv. 17679) 1.40 gr., (Inv. 17691) 1.40 gr., (Inv. 17697) 1.40 gr., (Inv. 17699) 1.40 gr., (Inv. 17700) 1.40 gr., (Inv. 17702) 1.40 gr., (Inv. 17704) 1.40 gr., (565) 1.42 gr., (587) 1.42 gr., (Wagenbogen) 1.42 gr., (586) 1.47 gr., (Wagenbogen) 1.47 gr., (585) 1.48 gr., (568) 1.50 gr., (Inv. 177687) 1.50 gr., (Inv. 17686) 1.50 gr., (Inv. 683) 1.50 gr., (Inv. 667) 1.50 gr., (Inv. 17668) 1.50 gr., (Inv. 17673) 1.50 gr., (Inv. 17676) 1.50 gr., (Inv. 17693) 1.50

gr., (Inv. 17695) 1.50 gr., (Inv. 17713) 1.50 gr., (Inv. 17723) 1.50 gr., (Inv. 17725) 1.50 gr., (593) 1.51 gr., (Inv. 17671) 1.51 gr., (559) 1.53 gr., (571) 1.54 gr., (574) 1.54 gr., (Wagenbogen) 1.57 gr., (Wagenbogen) 1.57 gr., (561) 1.58 gr., (583) 1.58 gr., (566) 1.59 gr., (588) 1.59 gr., (278) 1.60 gr., (Inv. 17681) 1.60 gr., (Inv. 17682) 1.60 gr., (Inv. 17696) 1.60 gr., (Inv. 17688) 1.60 gr., (Inv. 17661) 1.60 gr., (Inv. 17665) 1.60 gr., (Inv. 17675) 1.60 gr., (Inv. 17680) 1.60 gr., (Inv. 17690) 1.60 gr., (Inv. 17714) 1.60 gr., (Wagenbogen) 1.61 gr., (Inv. 17717) 1.65 gr., (577) 1.67 gr., (Wagenbogen) 1.67 gr., (575) 1.69 gr., (278) 1.70 gr., (581) 1.70 gr., (Inv. 17678) 1.70 gr., (Inv. 17689) 1.70 gr., (Inv. 17726) 1.70 gr., (582) 1.94 gr. and numerous fragments; Hannover: (Inv. 1961) 1.31 gr., (KHg. Slg. Teves. 2) 1.40 gr., (Inv. 1961) 1.49 gr., (Inv. 1961) 1.54 gr., (Inv. 1961) 1.58 gr., (KHg. Slg. Teves. 2) 1.63 gr., (Inv. 1961) 1.66 gr.; Hermitage: 1.68 gr.; Munich: 1.06 gr., 1.08 gr., 1.22 gr., 1.40 gr., 1.41 gr., 1.41 gr., 1.55 gr., 1.59 gr., 1.59 gr., 1.60 gr., 1.61 gr., 1.63 gr., 1.65 gr., 1.65 gr., 1.74 gr., 1.75 gr., 1.75 gr.; Nelson: (53.114.1855); Oslo: 0.99 gr., 1.33 gr., 1.46 gr., 1.49 gr., 1.70 gr., 1.70 gr.; Trier: (Inv. 31.114) 1.44 gr.; Van Rede: (B1223) 1.17 gr., (B1231) 1.43 gr., (B1219) 1.44 gr., (B1230) 1.45 gr., (B1217) 1.47 gr., (B1229) 1.52 gr., (B1218) 1.53 gr., (B1221) 1.56 gr., (B1223) 1.57 gr., (B1222) 1.60 gr., (B1224) 1.60 gr., (B1220) 1.65 gr., (B1226) 1.65 gr., (B1225) 1.70 gr., (B1227) 1.76 gr.; Vatican: 1.30 gr., 1.60 gr., 1.70 gr., 1.79 gr.; Vienna: 1.24 gr., 1.51 gr., 1.62 gr., 1.63 gr., 1.70 gr. *Find:* Belvézet, Dorestadt (1846); Hermenches; Barbentane; "Indre;" Thouars; "Frisia" (1853); Neuvi-au-Houlme; Oudwoude; Kimsward-Pingjum I; Kimsward-Pingjum II; Fontaines; Rijs; Ballon; Mullagh-boden; Achlum; Lauzès; Brioux; Zelzate; Cosne; Ide; Pilligerheck; Wagenbogen; Aggersborg; Iholm; Lerchenborg; Tolstrup; Birka; Gravesend; Talnotrie; Chamoux-Marcilly; Winsum (?); Aalsum; Emmen; Midlaren; Groningen; Loppersum; Muizon-lez-Malines; Bourgneuf; Roswinkel; Marsum; Evreux; Hoard of the Holy Family; Haute Isle; Assen; Epfach; Frankfurt a.M. (1857); Fulda; Haitabu (before 1924); Hohenaltheim; Hornburg; Korvey; Mayen; Ramelsloh; Speyer; Stade; Arstad; Kaupang; Spangereid; Rimforsa; Salum; Croyden; Trewhiddle; Orsova; Worms; Aachen; Schowen; Søndre Bø.

473. Same as foregoing. Obolus.

Prou 1005, 1019, 1020, 1021, 1022, 1023, 1024, 1033; *BMS* 74, 75. Paris: 0.71 gr., 0.76 gr., 0.78 gr., 0.72 gr., 0.79 gr., 0.92 gr., 0.72 gr.; Berlin: 0.67 gr., 0.73 gr., 0.74 gr., 0.75 gr., 0.77 gr.; BM: (57-9-1-12 IGP) 0.73 gr., (SSB-127-40) 0.50 gr.; Brussels: 0.65 gr., 0.66 gr., 0.72 gr.; Grierson: 0.76 gr.; The Hague: (601) 0.65 gr.; Hannover: (Inv. 1930.170) 0.85 gr.; Holmes: 0.74 gr.; Munich: 0.59 gr., 0.70 gr.; Vatican: 0.85 gr.; Vienna: 0.72 gr.; Yale University (PLATE XVII). *Find:* Barbentane; Lauzès; Schowen.

474. *Obv.*: +HLVDOVVICVSIMP. Cross with one dot in each corner. *Rev.*: XPISTIANARELIGIO. Temple with one cross beneath. Denarius.

Find: Pilligerheck, 1.10 gr., 1.33 gr.; La Chaussée.

475. *Obv.*: +HLVDOVVICVSIMP. Cross with one dot in each corner.
Rev.: XPISTIANARELIGIO. Temple with one cross at right. Denarius.
Find: Pilligerheck, 1.06 gr.
476. *Obv.*: +HLVDOVVICVSIMP. Cross with one dot in each corner.
Rev.: XPISTIANARELIGIO. Temple with one cross at each side. Denarius.
 Gariel XLIII, 24 (Brussels).
Find: Pilligerheck, 1.34 gr., 1.71 gr.; Mullaghboden; Dorestadt (1845/6).
477. *Obv.*: +HLVDOVVICVSIMP. Cross with one dot in each corner.
Rev.: XPISTIANARELIGIO. Temple with one cross beneath and one dot at each side. Denarius.
Find: Pilligerheck, 0.87 gr.; La Chaussée.
478. *Obv.*: +HLVDOVVICVSIMP. Cross with one dot in each corner.
Rev.: XPISTIANARELIGIO. Temple with crescent beneath. Denarius.
 Gariel XLIII, 21 (Gariel Coll.), 22 (Brussels). 23.
 Berlin: 1.44 gr.; Assen Museum: (M1855-2d) 1.34 gr., (M1872-8c) 1.36 gr., (M1872-8e) 1.36 gr., (M1855-2a) 1.38 gr., (M1855-2b) 1.38 gr., (M1872-8a) 1.44 gr., (M1872-8b) 1.60 gr., (M1855-2e) 1.63 gr., (M1855/1935-9-BL) 1.72 gr.; The Hague: (Inv. 17721) 0.75 gr., (Inv. 17720) 0.95 gr., (Inv. 1931:287) 1.15 gr., (Inv. 17664) 1.29 gr., 1.50 gr., (641) 1.57 gr., 1.57 gr., 1.68 gr.
Find: Kimsword-Pingjum I; Ide; Emmen; Wagenbogen; Zelzate, 1.53 gr.; Pilligerheck, 1.26 gr., 1.43 gr., 1.54 gr., 1.56 gr., 1.78 gr.
479. Same as foregoing, with one dot at each side of the crescent. Denarius.
 Brussels: 1.47 gr.
Find: Pilligerheck, 1.08 gr.
480. *Obv.*: +HLVDOVVICVSIMP. Cross with one dot in each corner.
Rev.: XPISTIANARELIGIO. Temple with o beneath. Denarius.
Find: Pilligerheck, 1.23 gr.
481. *Obv.*: +HLVDOVVICVSIMP. Cross with one dot in each corner.
Rev.: XPISTIANARELIGIO. Temple with S beneath. Denarius.
 Prou 1018; Gariel XLIV, 28 (Gariel Coll.).
 Paris: 1.43 gr.; Berlin: 1.39 gr., 1.51 gr.; Assen Museum: (M1872-14) 1.80 gr.; Brussels: 1.45 gr., 1.55 gr.; The Hague: (Inv. 17719) 1.20 gr., 1.52 gr., 1.62 gr.; Munich: 1.46 gr.
Find: Indre; Kimsword-Pingjum I; Emmen; Ide; Wagenbogen; Pilligerheck, 1.31 gr., 1.40 gr., 1.41 gr., 1.53 gr., 1.59 gr., 1.60 gr., 1.64 gr., 1.67 gr., 1.74 gr.

482. *Obv.*: +HLVDOVVICVSIMP. Cross with one dot in each corner.
Rev.: XPISTIANARELIGIO. Temple with chevron beneath lowest step. Denarius.
 Prou 1025; Gariel XLIV, 25 (Gariel Coll.).
 Paris: 1.62 gr.; Berlin: 1.19 gr., 1.75 gr.; Assen Museum: (M1872-16) 1.67 gr.; Blunt: 1.37 gr. (damaged); Brussels: 1.59 gr., 1.68 gr.; The Hague: (Inv. 1931.283) 1.65 gr. (PLATE XVII).
Find.: Kimsward-Pingjum I; Zelzate, 1.40 gr., 1.47 gr., 1.51 gr., 1.60 gr., 1.60 gr.; Pilligerheck, 1.53 gr., 1.58 gr., 1.66 gr.; Bourgneuf; Emmen.
483. *Obv.*: +HLVDOVVICVSIMP. Cross with one dot in each corner.
Rev.: XPISTIANARELIGIO. Temple with one dot beneath. Denarius.
 Assen Museum: (1872-6a) 1.13 gr., (M1870-B) 1.13 gr., (M1872-10a) 1.38 gr., (M1872-5) 1.59 gr., (M1872-10) 1.71 gr.; The Hague: (Inv. 17718) 0.85 gr., (Inv. 17722) 1.25 gr., (Inv. 17659) 1.30 gr., (Inv. 17660) 1.40 gr., (Inv. 1931:286) 1.40 gr. (PLATE XVII).
Find.: Kimsward-Pingjum I; Emmen; Zelzate, 1.42 gr.; Pilligerheck, 1.33 gr., 1.36 gr., 1.39 gr., 1.48 gr., 1.48 gr., 1.49 gr., 1.51 gr., 1.53 gr., 1.54 gr., 1.57 gr., 1.60 gr., 1.61 gr.
484. Withdrawn after the numbering system was fixed.
485. *Obv.*: +HLVDOVVICVSIMP. Cross with one dot in each corner.
Rev.: XPISTIANARELIGIO. Temple with one dot at right. Denarius.
 Assen Museum: (M1870-2h) 1.54 gr.; The Hague: (564) 1.30 gr.; Van Rede: (B1229) 1.52 gr.
Find.: Roswinkel; Pilligerheck, 1.41 gr.
486. *Obv.*: +HLVDOVVICVSIMP. Cross with one dot in each corner.
Rev.: XPISTIANARELIGIO. Temple with one dot at right of temple and one beneath. Denarius.
Find.: Pilligerheck, 1.39 gr., 1.63 gr.
487. *Obv.*: +HLVDOVVICVSIMP. Cross with one dot in each of three corners and three dots triangularly arranged in the fourth.
Rev.: +PISTIANAREICIO. Temple with one dot at right. Denarius.
 Gariel XLIII, 12 (Gariel Coll.); BMS 76.
 Berlin: 1.35 gr.; BM: (295-T-34) 1.30 gr.; The Hague: (564) 1.30 gr.
488. *Obv.*: +HLVDOVVICVSIMP. Cross with one dot in each corner.
Rev.: XPISTIANARELIGIO. Temple with one dot below and one dot at left. Denarius.
Find.: Pilligerheck, 1.43 gr., 1.55 gr., 1.50 gr.

489. *Obv.*: +HLVDOVVICVSIMP. Cross with one dot in each corner.
Rev.: XPISTIANARELIGIO. Temple with one dot at each side.
 Denarius.
 Prou 1010; Gariel XLIII, 4 (Gariel Coll.).
 Paris: 1.38 gr.; Berlin: 1.63 gr., and a copper forgery weighing 1.15 gr.;
 Assen Museum: (M1872-12/13); Brussels: 1.69 gr.; The Hague: (Inv. 1931:288) 1.25 gr.; Vatican: 1.40 gr.
Find: Pilligerheck, 1.41 gr., 1.53 gr., 1.55 gr., 1.62 gr., 1.67 gr.
490. *Obv.*: +HLVDOVVICVSIMP. Cross with one dot in each corner.
Rev.: XPISTIANARELIGIO. Temple with one dot at each side
 and o beneath. Denarius.
 Gariel XLIII, 19 (Gariel Coll.).
 Berlin: 1.57 gr.; Assen Museum: (M1870B) 1.65 gr., (M1872-13) 1.10 gr.,
 (var. the o is a dot), (M1870-20) 1.65 gr. (same var.); Brussels: 1.40 gr.
Find: Roswinkel.
491. *Obv.*: +HLVDOVVICVSIMP. Cross with one dot in each of three
 corners and three dots triangularly arranged in the fourth.
Rev.: XPISTIANARELICIO. Temple with one dot at each side
 and one beneath. Denarius.
 Assen Museum: (1872-20) 1.33 gr.; Brussels: 1.31 gr.; The Hague:
 (17722) 1.25 gr.
Find: Indre (var., three dots triangularly arranged beneath temple);
 Pilligerheck, 1.19 gr., 1.57 gr.
492. *Obv.*: +HLVDOVVICVSIMP. Cross with one dot in each corner.
Rev.: XPISTIANARELICIO. Temple, with two dots horizontally
 arranged beneath. Denarius.
 Assen Museum: (M1872-11) 1.37 gr.; The Hague: 1.25 gr.
Find: Pilligerheck, 1.42 gr.
493. *Obv.*: +HLVDOVVICVSIMP. Cross with one dot in each corner.
Rev.: XPISTIANARELICIO. Temple with one dot at each side of
 the roof and one at the left of the temple. Denarius.
Find: Pilligerheck, 1.55 gr.
494. *Obv.*: +HLVDOVVICVSIMP. Cross with one dot in each corner.
Rev.: XPISTIANARELICIO. Temple with three dots horizontally
 arranged beneath. Denarius.
 Gariel XLIII, 9 (Gariel Coll.).
 Berlin: 1.51 gr., 1.60 gr., 1.67 gr.; Assen Museum: (M1872-8) 1.21 gr.,
 (M1872-11L) 1.24 gr., (M1872-11a) 1.35 gr.; The Hague: (Inv. 17662)
 0.92 gr., (1931-280) 1.05 gr.
Find: Kimsverd-Pingjum I; Wagenbogen; Pilligerheck, 0.76 gr., 1.20
 gr., 1.25 gr., 1.27 gr., 1.29 gr., 1.47 gr., 1.57 gr., 1.71 gr.

495. *Obv.*: +HLVDOVVICVSIMP. Cross with one o in one corner.
Rev.: XPISTIANARELIGIO. Temple with three dots horizontally arranged beneath. Denarius.
 Gariel XLIII, 18 (Gariel Coll.).
 Berlin: 1.19 gr., 1.53 gr., 1.61 gr., 1.61 gr., 1.62 gr., 1.68 gr.; Assen Museum: (M1855/1935-9B1) 1.72 gr.; The Hague: (Inv. 1931:280) 1.05 gr., (Inv. 1931:289) 1.55 gr., (Inv. 17663) 1.50 gr. (PLATE XVII).
Find.: Emmen.
496. *Obv.*: +HLVDOVVICVSIMP. Cross with one dot in each corner.
Rev.: XPISTIANARELIGIO. Temple with three dots triangularly arranged beneath. Denarius.
 Gariel XLIII, 11 (Gariel Coll.).
 Berlin: 1.42 gr.; Assen Museum: (M1872-36) 1.63 gr., (M1855-2d) 1.34 gr., (M1855-2a) 1.38 gr., (M1855-2b) 1.38 gr., (M1872-9L) 1.60 gr., (M1892-3L) 1.63 gr.; Brussels: 1.38 gr., 1.54 gr., 1.58 gr., 1.61 gr., 1.63 gr.; Van Rede: (B1228) 1.51 gr.; The Hague: 1.21 gr., (Inv. 17663) 1.50 gr., (592) 1.52 gr., (Inv. 1931:289) 1.55 gr. (PLATE XVII).
Find.: Indre; Kimsward-Pingjum I; Emmen; Assen; Ide; Zelzate, 1.49 gr., 1.55 gr., 1.65 gr.; Pilligerheck, 1.30 gr., 1.45 gr., 1.47 gr., 1.54 gr., 1.54 gr., 1.56 gr., 1.57 gr., 1.57 gr., 1.58 gr., 1.61 gr., 1.61 gr., 1.63 gr., 1.64 gr., 1.64 gr., 1.65 gr., 1.69 gr.
497. *Obv.*: +HLVDOVVICVSIMP. Cross with one dot in each corner.
Rev.: XPISTIANARELIGIO. Temple with three dots arranged triangularly beneath and one dot at each side of the temple. Denarius.
Find.: Pilligerheck, 1.35 gr.
498. *Obv.*: +HLVDOVVICVSIMI. Cross with one dot in each of three corners and three dots triangularly arranged in the fourth.
Rev.: XPISTIANARELICIO. Temple with one dot at each side and three dots triangularly arranged beneath. Denarius.
 Gariel XLIII, 13 (Gariel Coll.).
 Berlin: 1.34 gr.
Find.: Pilligerheck, 1.29 gr., 1.38 gr., 1.63 gr., 1.56 gr., 1.66 gr.
499. *Obv.*: +HLVDOVVICVSIMP. Cross with one dot in each corner.
Rev.: XPISTIANARELICIO. Temple with one dot above it on each side, one dot at the side of the roof cross, and three dots horizontally arranged below. Denarius.
 Assen Museum: (M1872-11a).
500. *Obv.*: +HLVDOVVICVSIMP. Cross with one dot in each of three corners and three dots triangularly arranged in the fourth.

Rev.: XPISTIANARELICIO. Temple with three wedges arranged triangularly below and one wedge at each side. Denarius.

Find: Pilligerheck, 1.38 gr.

501. *Obv.*: +HLVDOVVICVSIMP. Cross with one dot in each corner.

Rev.: XPISTIANARELIGIO. Temple with three dots triangularly arranged at left. Denarius.

Gariel XLIII, 10 (Indre find and stock van Peteghen).

Assen Museum: (M1872-9a) 1.59 gr., (M1872-9) 1.68 gr.; The Hague: (591) 0.76 gr.

Find: Pilligerheck, 1.59 gr., 1.63 gr., 1.63 gr.; Emmen; Indre.

502. *Obv.*: +HLVDOVVICVSIMP. Cross with one dot in each corner.

Rev.: XPISTIANARELIGIO. Temple with a bar at right. Denarius.

Assen Museum: (1872-5) 1.54 gr.

Find: Pilligerheck, 1.25 gr., 1.30 gr., 1.33 gr., 1.59 gr., 1.61 gr.

503. *Obv.*: +HLVDOVVICVSIMP. Cross with one dot in each corner.

Rev.: XPISTIANARELIICIO. Temple with three dots triangularly arranged at right. Denarius.

Assen Museum: (M1872-9a) 1.59 gr.; The Hague: (504).

Find: Indre.

504. *Obv.*: +HLVDOVVICVSIMP. Cross with one dot in each corner.

Rev.: XPISTIANARELIGIO. Temple with three dots in a row beside the roof, at the upper right of the temple. Denarius.

Find: Pilligerheck, 1.60 gr.

505. *Obv.*: +HLVDOVVICVSIMP. Cross with one dot in each corner.

Rev.: XPISTIANARELIGIO. Temple with a third step. Denarius.

Gariel XLIV, 26 (Gariel Coll.).

Assen Museum: (M1892-15) 1.22 gr.; Brussels: 1.69 gr.; The Hague: (595) 1.21 gr., (Inv. 17698) 1.45 gr., (Inv. 1931-284) 1.70 gr.

Find: Pilligerheck, 1.61 gr.

506. *Obv.*: +HLVDOVVICVSIMP. Cross with one dot at each end and one dot in each corner.

Rev.: XPISTIANARELIGIO. Temple. Denarius.

Gariel XLIII, 3 (Gariel Coll.).

Berlin: 1.55 gr.

507. *Obv.*: +HLVDOVVICVSIMP. Cross with one dot in each of three corners, and two in the fourth.

Rev.: XPISTIANARELICIO. Temple. Denarius.

Gariel XLIII, 5.

Find: Pilligerheck, 1.64 gr.

508. *Obv.*: +HLVDOVVICVSIMP. Cross with one dot in each of three corners, and three wedges in the fourth.
Rev.: XPISTIANARELIGIO. Temple. Denarius.
Find: Pilligerheck, 1.22 gr.
- 508a. *Obv.*: +HLVDOVVICVSIMP. Cross.
Rev.: +XPISTIANAREIIICIO. Cross. Denarius.
Prou 1042; Gariel XLIV, 49 (Gariel Coll.), XLV, 50 (Gariel Coll.).
Paris: 1.79 gr.; Brussels: 0.91 gr., 1.38 gr.
509. *Obv.*: +HLVDOVVICVSIMI. Cross.
Rev.: +XICIAIIAREIIICIO. Cross. Obolus.
Prou 1043.
Paris: 0.74 gr.; Brussels: 0.71 gr.
Find: Belvézet; Thouars.
510. *Obv.*: +HVDVVICVSIP. Cross with one dot in each corner.
Rev.: +PISTIAHARE (retrograde). Cross. Obolus.
Prou 1044.
Paris: 0.75 gr.
511. *Obv.*: +IILVDOVVICVSP. Cross with one dot in each corner.
Rev.: +QVISTIVNVRE. Cross. Obolus.
Prou 1045.
Paris: 0.70 gr.; Brussels.
512. *Obv.*: +NLVDOVVICVSI. Cross with one dot in each corner.
Rev.: +PISTIANARE (retrograde). Cross. Obolus.
Prou 1046.
Paris: 0.64 gr.
513. *Obv.*: +IILVIC...CVSI. Cross with one dot in each corner.
Rev.: +PISTIAI...E. Cross. Obolus.
Prou 1047.
Paris: 0.47 gr.
- 513a. *Obv.*: +HLVDOVVICVS. Cross with one dot in lower left corner.
Rev.: XDISTIANARELIGIO. Temple. Denarius.
Leeds University Coll. (ex Winchester Cathedral Coll.): 1.35 gr.
514. *Obv.*: DNHLVDOVVICVSIMPAVG. Bust, laureate and draped, to left.
Rev.: MVNVSDIVINVM circumscriptional about a wreath, all centering upon a cross. A. Medallion.
Prou 1070 = Gariel XIV, 10.

On this series, see P. Grierson, "The Gold Solidus of Louis the Pious and its Imitations", *Jaarboek voor Munt-en Penningkunde*, XXXVIII (1951), pp. 1-41.
Paris: 7.04 gr.

515. *Obv.*: DNHLVDOVVICVSIMPAVG. Bust, laureate and draped, to right.

Rev.: MVNVSDIVINVM circumscriptional about a wreath, all centering upon a cross. *A*.

Prou 1071; Gariel XIV, 11 (Gariel Coll.); *BMS* 77.

Paris: 4.32 gr., 4.35 gr.; Berlin: 4.41 gr. (PLATE XVII); ANS: 4.39 gr.; BM: 4.36 gr.; Brussels: 3.43 gr. (clipped); Garrett: (31845) 4.32 gr.; Grierson: 4.32 gr., 5.56 gr.; Munich: 4.39 gr.

Find.: St. Vincent-sur-Craon; Hon; Søndre Vaje; Lewes.

LOTHAIRE I (840-855)

PALACE

516. *Obv.*: +LOHARIVSIMPERATO. Cross with one dot in each corner.

Rev.: PALATINAMONETA. Temple. Denarius.

Prou 11 = Gariel LIX, 22.

Gariel Coll., 1323.

Paris: 1.69 gr. (PLATE XVII); Berlin: 1.18 gr.

517. *Obv.*: +LOTARIVSIMPIRAT. Cross with one dot in each corner.

Rev.: PALATINAMONETA. Temple. Denarius.

The Hague: (Inv. 17491) 0.87 gr., (Inv. 17490) 1.20 gr.

Find.: Wagenbogen; Zelzate, 1.64 gr.; Pilligerheck, 1.21 gr., 1.48 gr., 1.60 gr., 1.61 gr., 1.62 gr.

518. *Obv.*: +HLOTARISIMPERATO. Cross with one circle in one corner.

Rev.: PALA/TINAMO/NETA. Denarius.

Find.: Pilligerheck, 1.60 gr.

519. *Obv.*: +HLOTARIVSIMPERATOP. Cross with one circle in one corner.

Rev.: PALA/TINAMO/NETA. Denarius.

Find.: Pilligerheck, 1.63 gr.

520. *Obv.*: +HLOTARIVSIMPERI. Cross.

Rev.: PALA/TINAMO/NITA. Denarius.

Gariel LIX, 23 (Combrouse, pl. XLV, 1).

Lorraine

DORESTADT

521. *Obv.*: +HLOTHARIVSHPEPA. Cross.

Rev.: DOR/ES·TA/TVS. Denarius.

Prou 69.

Cahn 1934, 2241a; Münzhandl. Basel Oct. 1936, 309.

Paris: 1.51 gr.; Brussels: (Inv. 80) 1.13 gr., (Inv. 79 var.) 1.24 gr., 1.85 gr.; Copenhagen: (A. f. Rasko Mønter) 1.34 gr.; Groningen Museum: (3372a var.), (R6) 1.65 gr.; The Hague: (Inv. 17519 var.) 1.40 gr.; Munich: 1.46 gr.; Oslo: 1.68 gr.; Van Rede: (Br233, Br234, Br236).

Find: Aalsum; Wagenbogen.

522. *Obv.*: +HLOTIARIVSPE. Cross.

Rev.: DOR/ES·TA/TVS. Denarius.

Gariel LIX, 15 (Brussels).

Riechman April 1928, 629.

Berlin: 1.52 gr.

Find: Roswinkel; Assen.

523. *Obv.*: +HLOTIARVSH'MP. Cross.

Rev.: DOR/ES·TA/TVS. Denarius.

Prou 70.

Paris: 1.41 gr.

524. *Obv.*: +HIOTIAIVSIIIEI'A. Cross.

Rev.: DOR/ESTA/TVS. Denarius.

Prou 71, 72, 73 (var.); Gariel LIX, 16 (Gariel Coll.); *BMS* 82, 83.

Cahn March 1926, 30; Cahn Feb. 1931, 11; Kress Oct. 1960, 1422-1426 (five varieties); Kricheldorf May 1956, 337.

Paris: 1.54 gr., 1.41 gr., 1.40 gr.; Berlin: 1.03 gr., 1.49 gr., 1.50 gr., 1.55 gr., 1.79 gr.; ANS: 1.33 gr. (PLATE XVII); Assen Museum: (M1870-3-7g) 1.63 gr., (M1870-3-7h) 1.65 gr., M1870-3-7e) 1.68 gr., (M1870-3-7) 1.68 gr., (M1870-3-7b) 1.67 gr., (1870-3-7a1) 1.70 gr., (M1870-3-7d) 1.70 gr., (M1870-3-7a), (M1870-3-7c); Blunt: 1.31 gr. (damaged); BM: (SSB-34-117) 1.62 gr., (an additional exemplar, without inventory number) 0.78 gr.; Brussels: (Inv. 79) 1.24 gr. (var. +HOTIANVSIEAT); Copenhagen: (Devegge no. 15) 1.47 gr.; Grierson; The Hague: (Inv. 17516) 1.20 gr., (Inv. 17514) 1.30 gr. (fragment), (Inv. 1955:742) 1.38 gr., (Inv. 1955:740) 1.44 gr., (Inv. 17515) 1.50 gr., (Inv. 17517) 1.50 gr., (Inv. 1955:741) 1.58 gr., (Inv. 17513) 1.71 gr., (Inv. 17518) 1.71 gr.

525. *Obv.*: +IOTAIIVSINI-IPAT. Cross with one dot in each corner.

Rev.: DORESTATVSMON. Temple. Denarius.

Prou 74; Gariel LIX, 17 (Gariel Coll.); *BMS* 84, 85, 86.

Rousseau Coll., 436; Motte Coll., 130; Cahn March 1926, 31; Riechman April 1928, 630; Cahn Feb. 1931, 12; Münz. u. Med. Nov. 1957, 683. 1.64 gr.; Schulman March 1963, 432.

Paris: 1.40 gr.; Berlin: 1.40 gr. (fragment), 1.61 gr., 1.64 gr., 1.65 gr. (PLATE XVII); Assen Museum: M1855-2; M1855/1935-9; A1, A2, A3, A4, A5, A6, A7, A8, A9, A10, A11, B2, B4, B5, B6, B7, B8, B9; 6-1, 6-2, 6-3, 6-4, 605, 6-6, 6-7, 608, 609, 6-10, 6-11, 6-12, 6-12bis, 6-14, 6-16, 6-17, 6A1, 6A2, 6B4, 6B15, 6C1, 6C2, 6C3, 6D1, 6D3, 6D4, 6D5, 6D6, 6D7, 6D8, 6D9, 6D10, 6E1, 6E2, 6F1, 6G, 6I, 6K, 6L1, 6L2, 6L3, 6L4, 6L5, 6L6, 6L7, 6L8, 6L9, 6L10, 6L11, 6L12, 6L13, 6L14, 6L15, 6L16, 6L17, 6L18, 6L19, 6L20, 6L21, 6L22, 6L23; BM: (SSB-34-116) 1.75 gr., (SSB-34-117) 1.67 gr., (57-9-1-25-IGP) 1.64 gr.; Copenhagen: (T. 1225) 1.49 gr.; Musée Frison: 1054 (A590), 1055 (A591), 1056 (A592), 1057 (A593), 1058 (A594), 1059 (A595), 1060 (A596), 1061 (A597), 1062 (A598), 1063 (A599), 1064 (A600), 1065 (A601), 1066 (A602), 1067 (A603), 1068 (A604), 1069 (A605), 1070 (A606), 1071 (A607), 1072 (A608), 1073 (A609), 1074 (A610), 1075 (A611), 1076 (A612), 1077 (A613), 1078 (A614), 1079 (A615), 1080 (A66), 1081 (A617), 1082 (A618), 1083 (A619); Grierson: 1.73 gr., 1.57 gr.; The Hague: 512, 513, 534, 546, 547, 550, 552, 554, 555, 556, 557, 558, 559, 559bis, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 578, 579, 581, 582, 595, 596, 597, 598, 599, 601, 602, 603, 604, 605, 606, 607, 608, 609, 660. R1, R2, R3, R5; Inv. 1931:294, Inv. 1931:295, Inv. 1931:296, Inv. 1931:297, Inv. 1931:298, Inv. 1931:299, Inv. 1931:300, Inv. 1931:302, Inv. 1931:303, Inv. 1931:305, Inv. 1931:307, Inv. 1931:309, Inv. 1931:310, Inv. 1931:311, Inv. 17526, Inv. 17527, Inv. 17528, Inv. 17529, Inv. 17530, Inv. 17531, Inv. 17532, Inv. 17533, Inv. 17534, Inv. 17535, Inv. 17536, Inv. 17537, Inv. 17538, Inv. 17539, Inv. 17540, Inv. 17541, Inv. 17542, Inv. 17543, Inv. 17545, Inv. 17546; Oslo: 1.66 gr.; Vienna: 1.62 gr., 1.70 gr.
Find: Neuvi-au-Houlme; Oudwoude; Kimsword-Pingjum I; Kimsword-Pingjum II; Cosne; Ide; Pilligerheck; Aalsum; Emmen; Midlaren; Wagenbogen; Groningen (1890); Roswinkel; Marsum.

526. *Obv.*: +IOTAIIVSIPIIIIPAT. Cross with one dot in each corner.
Rev.: DORESTATVSMON. Temple. Denarius.
Prou 75.
Paris: 1.66 gr.; Brussels: 1.13 gr.
Find: Rijs.
527. *Obv.*: +IOTAIIVSIPIIIIPAT. Cross with one dot in each corner.
Rev.: DORESTATVSHON. Temple. Denarius.
Prou 76.
Paris: 1.49 gr.; Brussels: 1.61 gr., (Inv. 81) 1.64 gr.; Van Rede: (Br238) Br239, Br240, Br242, Br243, Br245, Br246).
528. *Obv.*: +HOTARIVSIIINPAT. Cross with one dot in each corner.
Rev.: DORESTATVSMON. Temple. Denarius.
Groningen Museum: (R4) 1.51 gr.
529. *Obv.*: +IOTAMVSIPIEIRAT. Cross with one dot in each corner.
Rev.: DORESTATVMON. Temple. Denarius.

Prou 77.

Cahn April 1912, 16.

Paris: 1.58 gr.; ANS: 1.55 gr.; Brussels: 0.58 gr., 0.67 gr., 0.74 gr., 0.76 gr., 0.79 gr., 0.80 gr., 0.81 gr., 0.81 gr., 0.82 gr., 0.90 gr., 0.92 gr., 0.99 gr., 1.00 gr., 1.04 gr., 1.16 gr., (all damaged), (Inv. 82) 1.50 gr., 1.58 gr., (Inv. 83) 1.74 gr.; Groningen Museum: (A1052) fragment, (A1054) fragment, (583) 1.33 gr., (A1928) 1.76 gr.; The Hague: (Inv. 17524) 0.85 gr., (Inv. 17522) 1.30 gr., (612) 1.38 gr., (Inv. 17523) 1.39 gr., (Inv. 17520) 1.50 gr., (Inv. 17521) 1.50 gr., (Inv. 17515) 1.50 gr., (Inv. 17544) 1.70 gr., (610) 1.71 gr.; Hermitage: 1.72 gr., 1.59 gr.; Munich: 1.58 gr.

530. *Obv.*: +IOTAMVSIPHEIBAT. Cross with one dot in each corner.
Rev.: DORESTATVSMOH. Temple. Denarius.

Prou 78.

Kress Oct. 1960, 1419, 1420, 1421.

Paris: 1.60 gr.; ANS: 1.51 gr.; Brussels: 1.66 gr., 1.75 gr.; The Hague: (611) 1.38 gr.

Find: Schowen.

COLOGNE

531. *Obv.*: ...ARIVSIIMPIPI. Cross.

Rev.: COION/ANOII/ETA. Denarius.

Hävernicks, 17.

The Hague: (Inv. 17548) 0.75 gr. (damaged).

Find: Pilligerheck, 1.41 gr. (var. +IIIIOTARIVSIIIDERITO, COIOH/IAHOII/ETA); Wagenbogen.

532. *Obv.*: +LOTHARIVSRIXIMP. Cross with one dot in each corner.
Rev.: COLONIA CIVITAS. Temple. Denarius.

Cf. Hävernicks, 15, 16.

Brussels: (Inv. 78) 0.88 gr. (damaged).

533. *Obv.*: +LOTHARIVSREXIHPE. Cross with one dot in each corner.
Rev.: COLONNE CIVITAS. Temple. Denarius.

Berlin (PLATE XVII).

Find: Groningen (1890).

534. *Obv.*: +LOTHARIVSREXIHPE. Cross with one dot in each corner.
Rev.: COLONIA CIVITAS+. Temple. Denarius.

Meyer Coll., 460.

Berlin: 1.47 gr.

MAASTRICHT

535. *Obv.*: +IOTITARIVSPXIE. Cross with one dot in each of three corners and one circle in the fourth.
Rev.: TRICETENSEMONI. Temple. Denarius.

The Hague: (Inv. 17553) 0.80 gr. (fragment), (Inv. 17552) 1.10 gr.
Find: Wagenbogen.

536. *Obv.*: +LOTARIVSRIXIMP. Cross with one dot in each of two diagonal corners and one circle in each of the others.

Rev.: TRIIETINSEMONE. Temple. Denarius.

The Hague: (Inv. 17550) 0.75 gr., (Inv. 17551) 1.20 gr. (broken var., circle in only one corner of obv. cross).

Find: Wagenbogen; Ide, 1.56 gr. (var. REXIMP; TRICETINSIMONE).

537. *Obv.*: +LOTARIVSPIXIMPI. Cross with one dot in each of three corners and a crescent in the fourth.

Rev.: TPICETINSIIMON. Temple. Denarius.

The Hague: (Inv. 17549) 1.05 gr.

Find: Wagenbogen.

538. *Obv.*: +LOTIARIVSPEXERI. Cross with one dot in each of three corners and a circle in the fourth.

Rev.: TRICTEIVSPNION. Temple. Denarius.

Assen: (LT2) 1.59 gr. (PLATE XVII).

Find: Ide.

539. *Obv.*: +IOTIIAIVSPEXPE. Cross with one dot in each of three corners and a circle in the fourth.

Rev.: TRHCTOERRIIIOH. Temple. Denarius.

Find: Pilligerheck, 1.54 gr.

540. *Obv.*: +LOTIARIVSRFIPE. Cross with one dot in each of three corners and a circle in the fourth.

Rev.: TRICTEHSMIION. Temple. Denarius.

Find: Pilligerheck, 1.68 gr.

HUY

541. *Obv.*: +OTAPIVSIIRIRATO. Cross with one dot in each corner.
Rev.: +HOGISEMONETA. Temple with three dots triangularly arranged beneath. Denarius.

Gariel LIX, 18 (Gariel Coll.).

Gariel Coll., 1319; Meyer Coll., 463.

Berlin: 1.41 gr., 1.57 gr. (PLATE XVII); Assen Museum: (M1872-27, var. +OTAPIVSIIPIPATO; HOGISIMONETA) 1.36 gr., (M1872-27a, var. LOTHRH2HPHT; HOCISIMIOIITA) 1.52 gr.

Find: Emmen (var. +OTARIVSIMPIPATO); Ballon (var. +LOTARIV-SIMPIRATO; +HOGSIMONETA); Pilligerheck, 1.37 gr.; Rijs.

542. *Obv.*: +IOTWDNI|2IHRHT. Cross with one dot in each corner.
Rev.: +HOCISIMIOIIIITA. Temple with three dots triangularly
 arranged beneath. Denarius.
Find: Pilligerheck, 1.59 gr.

CAMBRAI

543. *Obv.*: +HLOTH̄ARIVSIMP. Cross.
Rev.: CĀMĀRĀCVSCIVIS. Temple. Denarius.
 Gariel LIX, 14 (Combrouse, pl. XIV, 3).
 544. *Obv.*: +HLOTHARIVSIMP. Cross.
Rev.: KAI|ARACASIVS. Temple. Denarius.
Find: Zelzate.
 545. *Obv.*: +HLOTHARIVSIMP. Cross with one dot in each corner.
Rev.: KAIARACA2CIVS. Temple. Denarius.
Find: Pilligerheck, 1.58 gr., 1.62 gr.

TRIER

546. *Obv.*: +HLOTARIVSIMP. Cross.
Rev.: TREVERISCIVI. Temple. Denarius.
 Prou 127; Gariel LX, 26 (Gariel Coll.).
 Gariel Coll., 1325; Hess May 1893, 2223.
 Paris: 1.22 gr.; Berlin: 1.12 gr., 1.26 gr., 1.49 gr. (var. TREVERISCIV)
 (PLATE XVIII); Assen Museum: (M1872-28) 1.38 gr.; Brussels: (Inv. 86)
 1.18 gr.; Trier: (Inv. 40.1201) 1.21 gr.
Find: Emmen; Pilligerheck, 1.12 gr., 1.19 gr. (var. with rev. inscription
 retrograde), 1.33 gr., 1.40 gr., 1.43 gr. (var. with rev. inscription retro-
 grade), 1.45 gr., 1.45 gr., 1.51 gr., 1.52 gr.; Trier (1852 and 1761).

METZ

547. *Obv.*: +HLVTHARIVSMIP. Cross with one dot in each corner.
Rev.: MEDIOMATRICORVI. Temple. Denarius.
 Gariel LIX, 19 (Gariel Coll.).
 Gariel Coll., 1320; Hamburger Nov. 1912, 130 (broken); Helbing April
 1913, 1820; Cahn Dec. 1932, 1345.
 Berlin: 1.31 gr., 1.33 gr.; The Hague: (Inv. 17555) 0.60 gr., (damaged).
Find: Wagenbogen.
 548. *Obv.*: +HLOTHARIVSIMP. Cross with one dot in each corner.
Rev.: MEDIOMATRICORVM. Temple. Denarius.
 The Hague: (Inv. 17554) 0.85 gr. (var. +HLVTHARIVSIMP).
Find: Wagenbogen; Pilligerheck, 1.65 gr., 1.71 gr.

549. *Obv.*: +HLVTHVRIVSMP. Cross with one dot in each corner.
Rev.: MEDIOMATRICORV. Temple. Denarius.
 Prou 129.
 Paris: 0.85 gr.; Berlin (PLATE XVIII); Brussels: (Inv. 84) 1.34 gr.; The Hague: (Inv. 17556-8) 0.71 gr., 0.75 gr., 0.85 gr., (all damaged).
Find.: Wagenbogen; Zelzate; Pilligerheck, 1.23 gr., 1.26 gr., 1.33 gr., 1.34 gr., 1.40 gr.
550. *Obv.*: +HLOTIARIVSIMPER. Cross.
Rev.: MEDI/EMATRI/CIS. Denarius.
 Gariel LIX, 20 (Gariel Coll.).
 Gariel Coll., 1321.
 Berlin: 1.34 gr. (PLATE XVIII).
Find.: Pilligerheck, 1.38 gr. (+HOTIVPIVSIHPEITO).

VERDUN

551. *Obv.*: +HLOTHARIVSIMP. Cross with one dot in each corner.
Rev.: VIRIDVNVMCIVIS. Temple. Denarius.
 Prou 147; Gariel LX, 30 (Gariel Coll.), 29 (var. with +HLVTHARIVSIMP, Robert, pl. XIII, 4).
 Gariel Coll., 1328; Meyer Coll., 464; Bordeaux Coll., 384; Cahn Dec. 1932, 1346; Schulman Jan. 1956, 1559.
 Paris: 1.54 gr.; Berlin: 1.10 gr., 1.30 gr. (PLATE XVIII); Assen Museum: (M1892-29a) 1.34 gr., (M1872-28) 1.39 gr., (M1892-29) 1.39 gr.; Brussels: (Inv. 85) 1.35 gr.; Copenhagen: (K. P. 809) 1.29 gr.; The Hague: (Inv. 17559) 0.90 gr.
Find.: Emmen; Groningen (1890); Wagenbogen; Pilligerheck, 1.25 gr., 1.32 gr., 1.40 gr., 1.43 gr., 1.44 gr., 1.45 gr., 1.45 gr., 1.46 gr., 1.47 gr., 1.49 gr., 1.53 gr., 1.56 gr.
552. *Obv.*: +HLOTHARIVSIMP. Cross with one dot in each corner.
Rev.: VIRIDVNVMCIVIS. Temple, with cross incised on steps.
 Denarius.
Find.: Pilligerheck, 0.94 gr., 1.12 gr., 1.14 gr., 1.18 gr., 1.18 gr., 1.23 gr., 1.27 gr., 1.31 gr., 1.31 gr., 1.32 gr., 1.35 gr., 1.40 gr., 1.42 gr., 1.45 gr., 1.45 gr., 1.47 gr., 1.47 gr., 1.49 gr., 1.52 gr., 1.56 gr., 1.63 gr.

Neustria

TOURS

553. *Obv.*: +HLOTARIVSMP. Cross.
Rev.: TVRO/NES/• Denarius.
 Gariel LX, 25 (Brussels); RBN 1853, pl. XVIII, 7.
 RBN: 1.57 gr.
 Brussels: 1.60 gr. (PLATE XXIII, slightly enlarged).

Aquitaine

AQUITAINE

554. *Obv.*: +NLOTARIVSIŦP. Cross.

Rev.: IVQVI TA'IIA. Obolus.

A. Dieudonné, "Acquisitions du Cabinet des Medailles: Monnaies carolingiennes," *RN* 1915, no. 658a.

Paris: 0.60 gr.

Gascony

BORDEAUX

555. *Obv.*: +HLOTARIVSIMP. Cross with one dot in each corner.

Rev.: +BVRDICALA. Temple. Denarius.

Prou 790; Gariel LIX, 13 (Gariel Coll.).

Rousseau Coll., 362; Cahn Dec. 1932, 1344; Cahn 1934, 2241; Kricheldorf June 1961, 328.

Paris: 1.60 gr.; Berlin: 1.48 gr.; ANS: 1.58 gr. (PLATE XVIII).

Italy

PAVIA

556. *Obv.*: +HLOTHARIVSIMP. Cross.

Rev.: PAPIA, in one line. Denarius.

Prou 904; Gariel LIX, 24 (Gariel Coll.); *BMS* 87.

CNI IV, p. 470f., 1-10; Rousseau Coll., 369; Hamburger Jan. 1902, 3967; Hamburger Nov. 1912, 131; Cahn March 1926, 33; Cahn April 1929, 18; Cahn Feb. 1931, 13; Lockett Coll., 335, 336; Kress Oct. 1960, 1427. Paris: 1.49 gr.; Berlin: 0.88 gr., 1.56 gr., 1.73 gr., 1.77 gr.; ANS: 1.65 gr. (PLATE XVIII); Blunt: 1.76 gr.; BM: (1908-10-11-606-Lincoln) 1.73 gr.; Copenhagen: 1.75 gr.; Grierson: 1.71 gr.; The Hague: 1.60 gr.; Hannover: (Inv. 1929.81 var. +HIOTIARIVSIMP. 1.80 gr.; Munich: 1.46 gr., 1.62 gr.; Papadopoli: (156) 1.60 gr., (155) 1.77 gr.; Stuttgart: (2v8304) 1.60 gr., (2v9673) 1.85 gr.; Vienna: 1.59 gr.

Find: Gower; Midlaren, 1.23 gr.; Wagenbogen, 1.55 gr.

557. *Obv.*: +HLOTHARIVSIMR. Cross.

Rev.: PAPIA, in one line. Denarius.

Find: Wagenbogen, 0.85 gr., 0.90 gr.

MILAN

558. *Obv.*: +HLOTHARIVSIMP. Cross.

Rev.: MEDIOŁ, in one line. Denarius.

Prou 910; Gariel LIX, 21 (Gariel Coll.); *BMS* 88.
CNI V, pp. 9-11, 1-18; Rousseau Coll., 368; Bordeaux Coll., 381; Hamburger Nov. 1912, 129; Cahn March 1926, 32; Cahn Oct. 1929, 899; Münz. u. Med. Nov. 1963, 342.
 Paris: 1.45 gr.; Berlin: 1.49 gr., 1.56 gr. (PLATE XVIII), 1.58 gr., and one copper forgery weighing 1.24 gr.; BM: (SSB-100-38) 1.52 gr.; Brussels: 1.68 gr.; Grierson: 1.42 gr.; The Hague: (Inv. 17637) 0.95 gr. (fragment); Munich: 1.60 gr.; Papadopoli: (157) 1.33 gr., (159) 1.40 gr., (158) 1.57 gr.; Vienna: (var. +H THARIVSIMP) 1.57 gr.
Find: Wagenbogen; 0.95 gr., Pilligerheck, 1.56 gr.

TREVISO

559. *Obv.*: +HLOTIARIVSIRPAV. Cross.
Rev.: ARBISIO, in one line. Denarius.
 Gariel LX, 27 (Gariel Coll.).
CNI VI, p. 230, 1-6 (var.); Gariel Coll., 1326.
 Berlin: 1.12 gr., 1.45 gr. (PLATE XVIII).

VENICE

560. *Obv.*: +HLOTHARIVSIMP AV. Cross.
Rev.: VENECIA, in one line. Denarius.
 Prou 921; Gariel LX, 28 (Gariel Coll.); *BMS* 89.
CNI VII, p. 6, 1-3; Gariel Coll., 1327; Meyer Coll., 470; Hamburger Jan. 1902, 5358. Forged dies exist; cf. Grierson, *ANSCent. Publ.*, p. 312, b.
 Paris: 1.66 gr.; Berlin: 1.42 gr.; BM: (62-10-1-1) 1.23 gr.; The Hague: (Inv. 17634) 1.55 gr.; Munich: 1.33 gr.

Indeterminate Mints

561. *Obv.*: +IIΩVIMTORII. Cross with one dot in each corner.
Rev.: CRRAIINICIVITAS. Temple. Denarius.
 Assen Museum: (M1870-7) 0.93 gr.
Find: Roswinkel.
562. *Obv.*: +HLVTHARIVSAGVS. Bust, laureate and draped, to right.
Rev.: XPISTIANARELIGIO. Temple. Denarius.
 Prou 1048; Gariel LIX, 5 (Brussels, var. +HLOTHARIVSACVS).
 Paris: 2.18 gr. (mounted); Brussels: 1.82 gr. (PLATE XVIII, slightly enlarged).
Find: "Frisia (1853);" Pilligerheck, 1.44 gr., 1.64 gr.
563. *Obv.*: LOTARIVSIMP AVGV. Bust, laureate and draped, to right.
Rev.: XPISTIANARILIGIO. Temple. Denarius.
 Prou 1049 = Gariel LIX, 2, 3.
 Bordeaux Coll., 378; Rosenberg Nov. 1904, 30; Rosenberg 1906, 10; Ratto Dec. 1930, 2506.

Paris: 1.45 gr.; Brussels: (Inv. 89) 0.88 gr. (damaged).
Find: Pilligerheck, 1.41 gr. (var. LOTARIVSIMAV), 1.47 gr. (LOTAPIV-SIMPIAVGV).

564. *Obv.*: +HLOTHARIVSIMPAV. Bust, laureate and draped, to right.
Rev.: XPISTIANARELIGIO. Temple. Denarius.

Prou 1050 = Gariel LIX, 4.

Paris: 1.58 gr.; Copenhagen: (T. 1228, degenerate) 1.17 gr.

565. *Obv.*: HLOTHARIVSIMPERAVG. Bust, laureate and draped, to right.

Rev.: XPISTIANAPELICIO. Temple. Denarius.

Gariel LIX, 6 (Gariel Coll.).

Gariel Coll., 1311.

Berlin: 1.25 gr., 1.37 gr., 1.52 gr.

566. *Obv.*: HLOTHARIVSACS. Bust, laureate and draped, to right.

Rev.: XPISTIANARELICIO. Temple. Denarius.

CNI V, p. 11, 19.

Papadopoli: (148) 1.53 gr.

Find: Hon, 1.67 gr.

567. Same as foregoing. Obolus.

CNI V, p. 15, 54.

Papadopoli: (153) 0.75 gr.

568. *Obv.*: HLOTHARIVSAC. Bust, laureate and draped, to right.

Rev.: XPISTIANARELIGIO. Temple. Denarius.

Gariel LIX, 1 (Brussels), 2 (Brussels), 7 (Meyer Coll., var. with XPISTIANAPELICIO).

Brussels: 1.41 gr., 1.65 gr. (PLATE XVIII, slightly enlarged).

Find: "Frisia (1853)."

569. *Obv.*: LOTARIVSRE+AGVSTVS. Bust, laureate and draped, to right.

Rev.: XPISTIANARELICIO. Temple. Denarius.

Musées royaux d'Art et d'Histoire (Parc du Cinquantenaire, Brussels): 2.53 gr. (mounted).

Find: Muizon-lez-Malines.

570. *Obv.*: +HLOTARIVSPIXACV. Cross with one dot in each corner.

Rev.: XPISTIANARELIGIO. Temple. Denarius.

Brussels: 1.69 gr.

Find: Pilligerheck, 1.55 gr. (var. +LOHARIVSPI+ACVS; +PISIIANARELICO).

571. *Obv.*: +LOTARIVSIMPERATORACVSTVS. Cross with one dot in each corner.

- Rev.*: XRISTANAPELIGIO. Temple. Denarius.
 Gariel LIX, 10 (Gariel Coll.).
 CNI V, p. 14, 51.
572. *Obv.*: +HLOTARIVSIMPERATOR. Cross with one dot in each corner.
Rev.: +PISTIANARELIGIO. Temple. Obolus.
 Gariel LIX, 11 (Fabre Coll.).
 Berlin: 0.71 gr., 0.95 gr. (PLATE XVIII).
573. *Obv.*: +LOTHARIVSIMPERATO. Cross with one dot in each corner.
Rev.: XPISTIANARELICIO. Temple. Denarius.
Find: Kimsword-Pingjum I; Zelzate (and var. with +HLOTHARIVSIMPERATO); Pilligerheck, 1.52 gr. (+HLOTHARIVSIMPERATO).
574. Same as foregoing (with +HLOTARIVSIMPERATOR). Obolus.
 CNI V, p. 15, 55.
 Papadopoli: (154) 0.64 gr.
575. *Obv.*: +HLOTARIVSIMPER. Cross with one dot in each corner.
Rev.: +PISTIANARELICIO. Temple. Denarius.
 Assen Museum: (M1872-30a) 1.43 gr.
Find: Emmen.
- 575a. *Obv.*: +IOTAHVSIMXAGVS. Cross with one dot in each corner.
Rev.: XPISTIAHARELICIO. Temple. Denarius.
 The Hague: (Inv. 17730) 0.95 gr.
576. *Obv.*: +HLVTARIVSIMP. Cross with one dot in each corner.
Rev.: +PISTIANARELICO. Temple. Denarius.
 Assen Museum: (M1872-30c) 1.30 gr.
Find: Emmen; Aalsum(?).
577. *Obv.*: +HLOTHARIVSIMPERAT. Cross with one dot in each corner.
Rev.: XPISTIANARELICIO. Temple. Denarius.
Find: Pilligerheck, 1.10 gr., 1.52 gr.
578. *Obv.*: +IOTAMVSIPNMRAT. Cross with one dot in each corner.
Rev.: D + PISTIANADIIIIOI. Temple. Denarius.
Find: Pilligerheck, 1.62 gr.
579. *Obv.*: +HLOTARIVSIMPERA. Cross with one dot in each corner.
Rev.: XPISTIANARELIGIO. Temple. Denarius.
 Brussels: (Inv. 92) 1.30 gr.
Find: Pilligerheck, 1.10 gr., 1.47 gr., 1.50 gr.

580. *Obv.*: +LVTHARIVSIMP. Cross with one dot in each corner.
Rev.: XPISTIANARELICO. Temple. Denarius.
CNI V, p. 11, 22.
 Brussels: 1.54 gr., 1.46 gr. (var. HVTNARIVSIMP); The Hague: (Inv. 17727) 1.40 gr.; Munich: 1.43 gr.
Find: Zelzate.
581. *Obv.*: +HLVTHARIVSIMP. Cross with one dot in each corner.
Rev.: XPISTIANARELIGIO. Temple. Denarius.
CNI V, p. 11, 21.
 Assen Museum: (M1872-30G) 1.45 gr.; The Hague: (Inv. 17733) 0.75 gr.;
 Papadopoli: (149) 1.33 gr.
Find: Emmen; Wagenbogen.
582. *Obv.*: +LVTNVRIVSIMP. Cross, with one dot in each corner.
Rev.: XPISTIANARELICIO. Temple with one dot at each side of the roof cross. Denarius.
 Prou 1054.
CNI V, pp. 11-14, 23-50; p. 456, 31a, 49a; Riechman April 1928, 628; Kricheldorf May 1956, 338; Hirsch June 1956, 996; Münz. u. Med. Dec. 1957, 684, 1.74 gr.
 Paris: 1.44 gr.; ANS: 1.50 gr. (PLATE XVIII); Assen Museum: (M1872-30h) 1.55 gr. (var. +IVTNVRIASVIMP, +RSTIANAERILCIO one dot at each side of the roof cross); Brussels: (Inv. 87) 1.47 gr.; The Hague: (Inv. 17731) 0.77 gr. (fragment), (609) 1.50 gr., (Inv. 17734) 0.45 gr. (broken); Papadopoli: (150) 1.47 gr., (151) 1.59 gr., (152) 1.65 gr.
Find: Wagenbogen; Emmen; Pilligerheck, 1.51 gr., 1.62 gr.
583. *Obv.*: +LVTHARIVSIIP. Cross with one dot in each corner.
Rev.: XPISTINARELO. Temple with one dot at each side of the roof cross. Denarius.
 Prou 1053; Gariel LIX, 9 (Gemain Coll.).
 Cahn Dec. 1932., 1343 (var.).
 Paris: 1.39 gr.; Berlin: 1.26 gr., 1.43 gr., 1.51 gr., 1.55 gr.; ANS: 1.63 gr.; Brussels: 1.54 gr., (Inv. 90) 1.53 gr., (Inv. 91) 1.56 gr., (Inv. 38) 1.59 gr.; The Hague: (Inv. 17735) 1.15 gr.
Find: Groningen (1890); Wagenbogen.
584. *Obv.*: +HLVTHARIVSIMP. Cross with one dot in each corner.
Rev.: XPISTIANARELIGIO. Temple. Denarius.
CNI V, p. 11, 21.
 Papadopoli: (149) 1.33 gr.
585. *Obv.*: +HLOTARIVSIMP. Cross with one dot in each corner.
Rev.: XPISTIANARELIGIO. Temple. Denarius.
 Prou 1051, 1052; Gariel LIX, 8 (Fabre Coll.); *BMS* 90.
CNI V, p. 11, 20; p. 14, 53; p. 455, 9a; Rousseau Coll., 435.

Paris: 1.39 gr., 1.23 gr.; Berlin: 1.37 gr.; Assen Museum: (M1872-30c) 1.14 gr. (XPISTAHARELCIO), (M1872-30b) 1.44 gr. (+IHOTARIVSIMP); ANS: 1.43 gr.; BM: (56-7-5-4) 1.36 gr.; Brussels: 1.62 gr.; Groningen Museum: (577); The Hague: (Inv. 17729) 0.85 gr., (Inv. 17728) 0.90 gr., (+HLOTARIVSIMR), (Inv. 1931:291) 1.35 gr., (Inv. 1931:290) 1.45 gr. (+HLVTHARIVSIMP; +RISTIANAPELICO) (PLATE XVIII).

Find: Neuvi-au-Houlme; Oudwoude; Kimsword-Pingjum I (var.); Zelzate; Pilligerheck, 1.32 gr., 1.47 gr., 1.51 gr., 1.52 gr., 1.52 gr., 1.63 gr.; Emmen; Wagenbogen.

586. *Obv.*: +†IOTHARIVSII-IP. Cross with one dot in each corner.

Rev.: +PISTIAFIARI†ICIO. Temple with one dot beneath. Denarius.

BMS 91.

Cf. CNI V, p. 14, 52.

BM: (SSB-127-90) 1.12 gr.

587. *Obv.*: +IOTHAPIVSPI. Cross with one dot in each of three corners and a circlet in the fourth.

Rev.: +PISTIANARIICIO. Temple. Denarius.

BMS 92.

CNI V, p. 14, 52.

BM: (57-9-1-24) 1.72 gr.

588. *Obv.*: +HLOTHAPIVSACVΛ. Cross with one dot in each corner.

Rev.: XPISTIANAPELICIO. Temple. Denarius.

Brussels: 1.20 gr. (trimmed); The Hague: (Inv. 17731) 1.45 gr. (var. +HLOTARIVSACV, broken).

Find: Zelzate; Wagenbogen.

589. *Obv.*: +LOTAPIVSACN. Cross with one dot in each corner.

Rev.: XPISTIANARELICIO. Temple. Denarius.

Find: Thouars.

590. *Obv.*: +IOTAHVSIMXACVS. Cross with one dot in each corner.

Rev.: XPISTIAHAHICIO. Temple. Denarius.

Assen Museum: (M1870-3/5) 1.81 gr.; The Hague: (Inv. 17730) 0.95 gr.

Find: Kimsword-Pingjum I (var.); Wagenbogen; Roswinkel (var.), 1.76 gr.

591. *Obv.*: +IOHARIVSMAHPI. Cross, with one dot in each of three corners and a circle in the fourth.

Rev.: XPISTIANARIICIO. Temple. Denarius.

The Hague: (Inv. 17732) 0.65 gr. (damaged).

Find: Wagenbogen.

592. *Obv.*: +HLOTARIVSIMP. Cross with one dot in each corner.

Rev.: XPISTIANARELIGIO. Temple, with three dots beneath. Denarius.

Assen Museum: (M1872-30) 1.37 gr. (var. \pm HLOTARINIPPA, \pm PI-STIANAOEII η); The Hague: (Inv. 17657) 1.00 gr.
Find: Aalsum; Rijs; Wagenbogen.

592a. *Obv.*: \pm IVTARIV η HP. Cross.

Rev.: \pm DI η TIANPIO. Cross. Obolus.

BMS 93.

BM: (1956-4-8-40-Lockett) 0.76 gr.

The following entry is a putative reconstruction.

593. *Obv.*: \pm DNLOTARIVSIMPERAVG. Bust, laureate and draped, to left.

Rev.: VITAETVICTORIA. Warrior standing or walking to left, holding a lance to left and a shield to right. A. Medallion.

Engel and Serrure, I, p. 330; Morrison, *Speculum* 1961, p. 592ff., wt., ca. 4 gr.

Berlin: (PLATE XIX).

LOUIS THE GERMAN (840-876)

East Francia

MAINZ

594. *Obv.*: Monogram of Ludovicus.

Rev.: \pm MOGONTIA. Cross. Denarius.

Prou 35; Gariel LXI, 10 (Gariel Coll.).

Gariel Coll., 1334; Rosenberg Oct. 1933, 7.

Paris: 1.12 gr.; Berlin: 1.05 gr., 1.43 gr., 1.54 gr., 1.62 gr. (PLATE XIX);

Munich: 1.67 gr.; Vienna: 1.23 gr.

Find: Pilligerheck, 1.44 gr., 1.54 gr., 1.60 gr.; Ostro.

Indeterminate Mints

595. *Obv.*: \pm HIVDOVVIC-SPIVP. Cross with one dot in each corner.

Rev.: \pm DI η AASIVVNOVA. Temple. Denarius.

Brussels: 1.68 gr.

596. *Obv.*: \pm LVDOVVICVSREX. Cross with one dot in each corner.

Rev.: HADTV/RECVM. Denarius.

Prou 971; Gariel LXIV, 7.

Paris: 1.52 gr. (PLATE XIX).

Find: Odoorn.

PIPPIN I (814-838) or PIPPIN II (839-852) OF AQUITAINE

Aquitaine

AQUITAINE

597. *Obv.*: +PIPPINVSREX. Bust, to right.
Rev.: AQVITANIORVM. Temple. Denarius.
Prou 665; Gariel XX, 6 (Gariel Coll.).
Rousseau Coll., 370; Gariel Coll., 792; Meyer Coll., 321.
Paris: 1.69 gr.; Berlin: 1.67 gr. (PLATE XIX); Brussels: 2.78 gr. (mounted); Grierson: 1.71 gr.; The Hague: (604) 1.00 gr. (var. +PIPPINVSRE+)
Find: "Frisia (1853)," 1.67 gr.; Zelzate, 1.31 gr.; Hon.
598. *Obv.*: +PIPINVSREX. Cross.
Rev.: AQVI/TAINA. Obolus.
Prou 664; Gariel XX, 3 (Gariel Coll.).
Rousseau Coll., 372, 375; Lockett Coll., 337; Kricheldorf Nov. 1960, 314.
Paris: 0.71 gr.; Brussels: 0.67 gr.; Vienna: 0.67 gr.
Find: Fontaines; Lauzès, 0.63 gr.
599. *Obv.*: +PIPINVSREXEQ. Cross with one dot in each corner.
Rev.: AQVITANIORVM. Temple. Denarius.
Gariel XX, 4 (Gariel Coll.).
Rousseau Coll., 371; Gariel Coll., 790; Kricheldorf Nov. 1960, 315.
Berlin: 1.33 gr. (PLATE XIX); The Hague: (Inv. 17599) 0.75 gr. (fragment).
Find: Wagenbogen; Pilligerheck, 1.21 gr. (var. + PIPPINVSREX; XAQVITANIORVM), 1.45 gr.
600. *Obv.*: +PIPPINVSREX. Cross.
Rev.: EQVI/TANI/ORVM. Obolus.
Prou 666, 667; Gariel XX, 5 (Gariel Coll.).
Gariel Coll., 791.
Paris: 0.64 gr., 0.55 gr.; Berlin: 0.68 gr. (PLATE XX); ANS: 0.63 gr.
601. *Obv.*: +PIPPINVSREX. Cross.
Rev.: AQVI/TANIA. Obolus.
Prou 659, 660 (var. with AQVI/TANIA); Gariel XX, 1 (Gariel Coll.); *BMS* 94, 95.
Cahn Dec. 1932, 1272, 1299, 1.80 gr.; Riechman Nov. 1934, 324.
Paris: 0.84 gr., 0.77 gr.; Berlin: 0.61 gr., 0.71 gr., 0.73 gr., 0.85 gr., 0.90 gr.; ANS: 0.69 gr.; Assen Museum: (M1870-6) 0.59 gr.; Blunt: 0.86 gr.; BM: (SSB-135-96) 0.92 gr., (SSB-135-99) 0.78 gr.; Munich: 0.66 gr.
Find: Brioux; Roswinkel, 0.60 gr.; Zelzate, 0.69 gr., 0.69 gr., 0.83 gr., and two additional exemplars, unweighed; Muizon-lez-Malines, 0.64 gr., 0.78 gr.

602. *Obv.*: +PIPPVIV2REX. Cross.

Rev.: AQVI/TANIA• Obolus.

Prou 661; Gariel XX, 2.

Paris: 0.65 gr.; Grierson: 0.83 gr., 0.59 gr.; The Hague: (605) 0.50 gr.

Find.: Muizon-lez-Malines, 0.68 gr., 0.76 gr.

603. *Obv.*: +PIPPIIIΓ1VSREX. Cross.

Rev.: AQVI/TAIIIA. Obolus.

Prou 662.

Paris: 0.65 gr.

604. *Obv.*: +PIPPINVSREX. Cross.

Rev.: AQVI/TAIIIA. Obolus.

Prou 663.

Seaby Pricelist Oct. 1965, E 192.

Paris: 0.57 gr.; ANS: 0.77 gr.

POITIERS

605. *Obv.*: +PIPINVSREXEQ. Cross.

Rev.: +PECTAVO. Pippinus monogram. Denarius.

Prou 677 = Gariel XX, 12.

Paris: 1.70 gr.; ANS: 1.78 gr. (PLATE XIX).

Find.: Kettilstorp.

605a. Same as foregoing. Obolus.

Seaby's Coin & Medal Bulletin, Sept. 1965, E194.

ANS: 0.77 gr.

MELLE

606. *Obv.*: +PIPINVSREXEQ. Cross.

Rev.: +METVLLO. Pippinus monogram. Denarius.

Prou 689, 690; Gariel XXXVII, 2, 3, (Gariel Coll); *BMS* 96.

Rousseau Coll., 376; Cahn Dec. 1932, 1302; Lockett Coll., 338; Kricheldorf Nov. 1960, 316; Münz. u. Med. Nov. 1964, 13.

Paris: 1.73 gr., 1.62 gr.; Berlin: 1.63 gr., 1.66 gr. (PLATE XIX); ANS: 1.69 gr.; Blunt: 1.44 gr.; BM: (72-5-1-1-Shearman) 1.65 gr.; Grierson: 1.72 gr.; The Hague: (Inv. 17607) 1.60 gr.; Hermitage: 1.41 gr.

Find.: Brioux, 1.70 gr.; Mullaghboden; Dorking; Kettilstorp; Schowen.

607. *Obv.*: +PIPPINVSREX. Cross.

Rev.: +METVLLO. Pippinus monogram. Denarius.

Find.: Brioux, 1.68 gr.

608. *Obv.*: Pippinus Rex monogram.

Rev.: +METVLLO. Cross. Obolus.

Prou 691; Gariel XXXVII, 4 (Gariel Coll.).
Meyer Coll., 323; Schulman 1931, 137; Kricheldorf Nov. 1960, 317.
Paris: 0.84 gr.; Berlin: 0.67 gr. (PLATE XIX); ANS: 0.83 gr.; Vienna:
0.75 gr.
Find: Brioux.

BOURGES

609. *Obv.*: +PIPINVSRE. Bust to right.
Rev.: BITV/RICES. Denarius.
Gariel XXXVII, 1 (Gariel Coll.).
Gariel Coll., 1070.
Berlin: 1.50 gr. (PLATE XIX), 1.56 gr. (PIPINVSREXE) (PLATE XIX).
Find: "Frisia (1853)," 1.50 gr.; Lauzès, 1.52 gr.
610. *Obv.*: +PIIVSIAS. Bust to right.
Rev.: BITV/•/RICES. Denarius.
Prou 735.
Paris: 1.22 gr.

LIMOGES

611. *Obv.*: +PIPINVSREX. Cross.
Rev.: + /LIMO/•/DICAS. Obolus.
Gariel XX, 11 (Fabre Coll.).
Berlin: 0.78 gr. (PLATE XX).
612. *Obv.*: +HPIPINVSREX. Cross.
Rev.: +LIMOVIX. Cross. Denarius.
Prou 775 = Gariel XX, 9.
Paris: 1.42 gr.
613. *Obv.*: +PIPINVSREX. Cross.
Rev.: +LIMODICAS. Cross. Obolus.
Prou 776; Gariel XX, 10 (Gariel Coll.).
Gariel Coll., 794.
Paris: 0.92 gr., Berlin: 0.78 gr. (PLATE XX).

Gascony

DAX

614. *Obv.*: +PIPINVSREXEQ. Cross with one dot in each corner.
Rev.: AQVISVRBI. Temple. Denarius.
Gariel XX, 7 (Veuillin find).
Berlin: 1.53 gr. (PLATE XX); Musée Frison (A589) 1.37 gr.
Find: Kimsward-Pingjum II; Pilligerheck, 1.55 gr., 1.42 gr. (var. +PIPI-
VIVSPE+EO: AQVISVREI); Ide, 1.57 gr.

615. Same as foregoing, but with AQVISVRDI. Obolus.
 Gariel XX, 8 (Gariel Coll.).
 Gariel Coll., 793.
 Berlin: 0.72 gr.

Toulousain

TOULOUSE

616. *Obv.*: +PIPINVSREXE. Cross.
Rev.: +TOLOSACIVI. Pippinus monogram. Denarius.
 Prou 807.
 Hamburger Nov. 1912, 88; Schulman 1931, 138; Lockett Coll., 339.
 Paris: 1.52 gr. (PLATE XX)
Find: Brioux (?); Pilligerheck.
617. *Obv.*: +PIPPINVSREX. Cross.
Rev.: +TOLO2ACIVI. Pippinus monogram. Denarius.
 Prou 808; Gariel XXXVII, 5 (Gariel Coll.).
 Kricheldorf Nov. 1960, 318.
 Paris: 1.58 gr. (PLATE XX); Berlin: 1.54 gr., 1.55 gr., 1.55 gr., (PLATE XX); ANS: 1.67 gr.; Brussels: 1.28 gr. (var.).
Find: Auzeville.
618. *Obv.*: +PIPPINVSREXF. Cross.
Rev.: +TOLOSACIVI. Pippinus monogram. Denarius.
 Prou 809, 810, 811, 812; Gariel XXXVII, 6 (Gariel Coll.), 7, (Gariel Coll., var. +PIPPINVSREXE).
 Paris: 1.61 gr., 1.56 gr., 1.46 gr., 1.36 gr.; Berlin: 1.48 gr., 1.54 gr., 1.54 gr. (PLATE XX, two specimens); ANS: 1.50 gr. (PIPPHVSRX), 1.54 gr.; Brussels: 1.34 gr. (var. +PIPPINVSREXFR), 1.39 gr. (var.), 1.47 gr. (var. +PIPPINVSREXC); Garrett: (6130) 1.63 gr.; Grierson: 1.63 gr.; Holmes: 1.51 gr.
Find: Auzeville.
619. Same as foregoing. Obolus.
 Gariel XXXVII, 8 (Gariel Coll.).
 Gariel Coll., 1080; Meyer Coll., 325; Bordeaux Coll., 243.
 Berlin: 0.66 gr. (PLATE XX).
Find: Auzeville.

Indeterminate Mints

620. *Obv.*: +PIPINVSREXEQ. Cross.
Rev.: CATV/RICIS. Obolus.
Find: Lauzès, 0.63 gr.

621. *Obv.*: +PIPINVSREXEQ. Cross with one dot in each corner.
Rev.: XPISTIANARELIGIO. Temple. Denarius.
 Prou 1056; Gariel XX, 13 (Gariel Coll.).
 Rousseau Coll., 365; Gariel Coll., 795, 1333; Bordeaux Coll., 238; Cahn Dec. 1932, 1349.
 Paris: 1.78 gr.; Berlin: 1.29 gr., 1.36 gr., 1.41 gr. (PLATE XX); The Hague: (604) 1.00 gr. (var. PIPPINVSREX).
Find: Indre; Neuvi-au-Houlme; Fontaines; Achlum; Lauzès, 1.73 gr.; Pilligerheck, 1.70 gr., 1.71 gr.

CHARLES THE BALD (843–877)

PALACE

622. *Obv.*: +CAROLVSREX. Cross.
Rev.: +RALATINAMONE. Karolus monogram. Denarius.
 Prou 16, 17, 18, 19.
 Cf. Rousseau Coll., 363 (copper forgery); Cahn Sept. 1932, 1301; Cahn Dec. 1932, 1281.
 Paris: 1.73 gr., 1.61 gr., 1.62 gr., 1.68 gr.; ANS: 1.77 gr.; Brussels: (Inv. 96, var. +RALATIHAHOHEA) 1.70 gr., (Inv. 95, var.) 1.80 gr.
Find: Bourgneuf; Etampes (+PALATINEMOE); Nourray; "ANS Find."
623. *Obv.*: +CAROLVSREX. Cross.
Rev.: +PALATINAMOIEAT. Karolus monogram. Denarius.
 Gariel XLII, 50 (Gariel Coll.).
 Rousseau Coll., 467; Gariel Coll., 1145; Bordeaux Coll., 314; Hamburger Nov. 1912, 94.
 Berlin: 1.62 gr., 1.69 gr.
Find: Glizy.
624. *Obv.*: +CAROLVSREX. Cross.
Rev.: +PALATINAMOHEAT. Karolus monogram. Denarius.
 Gariel XLII, 51 (Gariel Coll.).
 Gariel Coll., 1146; Schulman 1931, 149; Lockett Coll., 358.
 Berlin: 1.45 gr.; ANS: 1.53 gr., 1.70 gr.
Find: Courbantou III; Glizy; "ANS Find."
625. *Obv.*: +CAROLVSREX. Cross with one dot in each corner.
Rev.: +PALATINAMONETA. Karolus monogram. Denarius.
 Prou 12 = Gariel LI, 53; Prou 13, 14.
 Meyer Coll., 352.
 Paris: 1.67 gr., 1.52 gr., 1.57 gr.; Berlin: 1.64 gr., 1.62 gr. (PLATE XXI); ANS: 1.65 gr.; Grierson: 1.58 gr.
Find: Compiègne (?); Glizy.

626. *Obv.*: +CAROLVSREX. Cross with one dot in each corner.
Rev.: +PALATIIAMONET. Karolus monogram. Denarius.
 Prou 15.
 Paris: 1.55 gr.; Berlin: (PLATE XXI); Brussels: 1.58 gr.; Hermitage: 1.59 gr.
627. *Obv.*: +CARLV2QPACIARE. Karolus monogram.
Rev.: +P-ATNI'A-I-ONE. Cross. Denarius.
 Gariel LI, 52 (Gariel Coll.).
 Meyer Coll., 351.
628. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +PALATINAMONETA. Cross. Denarius.
 Gariel XXXI, 168 ("tous les collections"); *BMS* 97.
 BM: (1945-5-7-330-Morgan [Evans]) 1.60 gr.; Copenhagen: (K. P. 928 var. +PALATINAMONETTO) 0.87 gr.
Find.: Chalon-sur-Saône (1893); Compiègne (?); Glizy.
629. *Obv.*: +C•RATIAD-IREX. Karolus monogram.
Rev.: +PALATINAMONE. Cross. Denarius.
 Prou 20; Gariel XXXII, 169 (Gariel Coll.), 170 (var. +PALA•TINAMONE. No location).
 Rousseau Coll., 398; Kress Oct. 1960, 1464; Blaser-Frey June 1963, 18.
 Paris: 1.55 gr.; Berlin: 1.66 gr., 1.79 gr.; ANS: 1.64 gr., 1.49 gr., 1.45 gr., 1.53 gr., 1.56 gr., 1.59 gr., 1.62 gr., 1.64 gr., 1.61 gr., 1.69 gr., 1.69 gr., 1.71 gr., 1.71 gr., 1.73 gr.; Blunt: 1.57 gr.; Brussels: 1.59 gr.; Copenhagen: (K. P. 136) 1.68 gr. (PLATE XXI); Hermitage: 1.46 gr.
Find.: Etampes; Courbanton III; "ANS Find."
630. Same as foregoing. Obolus.
 Gariel XXXII, 175 (Gariel Coll.).
 Gariel Coll., 990; Meyer Coll., 281.
 Berlin: 0.74 gr.; ANS: 0.87 gr.
Find.: Bourgneuf; Etampes; Glizy; "ANS Find."
631. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +PALATINAMONET. Cross. Denarius.
 Prou 21.
 Paris: 1.55 gr.; ANS: 1.72 gr. (PLATE XXI); Brussels: (Inv. 97) 1.57 gr.; Grierson: 1.71 gr.; Stuttgart: (2v8500) 1.63 gr.
Find.: Bligny; Glizy.
632. *Obv.*: +C•RATIAD-IREX. Karolus monogram.
Rev.: +PALATINAMONE. Cross. Denarius.
 Prou 22.
 Paris: 1.77 gr.; Brussels: (Inv. 99) 1.65 gr., (Inv. 98 var.) 1.71 gr.; Copenhagen: (K. P. 724) 1.74 gr. (PLATE XXI); Vienna: 1.70 gr.

633. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +PALATINAMONE. Cross. Denarius.
 Gariel XXXII, 171, 172 (no locations).
 Gariel Coll., 982-989; Hess, Lucerne July 1933, 92.
 Berlin: 1.56 gr., 1.76 gr.; ANS: 1.46 gr., 1.55 gr., 1.55 gr., 1.56 gr., 1.59 gr., 1.59 gr., 1.68 gr., 1.71 gr., 1.72 gr., 1.47 gr. (var. +PALATINVMONE).
Find: Arras; "ANS Find."
634. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +PALATINAMONE. Cross. Denarius.
 Gariel XXXII, 173 (no location).
 Berlin: 1.64 gr.
Find: Glizy.
635. *Obv.*: +CRATIAD-IREX. (retrograde). Karolus monogram.
Rev.: +PALATINANOME. Cross. Denarius.
 Prou 24.
 Cahn Oct. 1929, 906.
 Paris: 1.71 gr.; Hannover: (Inv. 1929.289 var., obv. inscription not retrograde) 1.84 gr.; ANS: 1.65 gr. (obv. not retrograde; rev. MONE), 1.70 gr. (PALATINAMOIE), 1.71 gr. (CRTIA).
Find: "ANS Find."
636. *Obv.*: +GRATIO-IREX. Karolus monogram.
Rev.: +PAL'ATIN'AMION. Cross. Denarius.
 Brussels: (Inv. 100) 1.26 gr.; ANS: 1.45 gr. (PALATINAMON).
Find: "ANS Find."
637. *Obv.*: X6RATIAD-IREX. Karolus monogram.
Rev.: XPALATINAMOT. Cross. Denarius.
 Prou 25.
 Paris: 1.58 gr. (PLATE XXI).
638. *Obv.*: +DAΓADIRΞX. Karolus monogram.
Rev.: +PA'IATHAMON. Cross. Obolus.
 Gariel XXXII, 176 (Fabre Coll.).
639. *Obv.*: +CRATIAD-IREI. Karolus monogram.
Rev.: +PALATINAMO. Cross. Obolus.
 Prou 23.
 Paris: 0.56 gr. (PLATE XXI).

Lorraine

AACHEN

640. *Obv.*: +GRACIAD-IREX. Karolus monogram.
Rev.: +AQVISCANIRAE. Cross. Denarius.
 Gariel XL, 4 (Cabinet de France, but not in Prou).

641. *Obv.*: +CRACIAD-IREX. Karolus monogram.

Rev.: +AQVISGRANIPAL. Cross. Denarius.

Gariel XXV, 1 (Cabinet de France, but not in Prou).

Find: Nourray.

DORESTADT

642. *Obv.*: Karolus monogram.

Rev.: DORESTADO. Cross. Obolus.

Gariel VII, 52 (Brussels).

Stephanik Coll., 142.

Brussels: 0.50 gr.; Van Rede: (B1211b) 0.48 gr.

643. *Obv.*: +CARLV^WREXETLANETR. Bust to right.

Rev.: +VICO^WVR^WI^WTAT. Cross with two concentric circles at point of intersection, one circle at the end of each arm, and one dot above each end of the cross. A.

BMS 98.

W. Hävernicks, "Die Anfänge der karolingischen Goldprägung in Nordwesteuropa," *Hamburger Beiträge zur Numismatik*, II (1952/4), pp. 55-60. (The authenticity of this extraordinary piece, and of the similar piece in the Berlin cabinet, has been very strongly questioned by P. Grierson, "Zum Ursprung der karolingischen Goldprägung in Nordwest-Europa," *Hamburger Beiträge zur Numismatik*, 8 [1954], pp. 199-206, who doubts that it was an issue of Charlemagne, as Hävernicks argued, or indeed that it was an official issue at all. The inscriptions and epigraphy seem more compatible with the age of Charles the Bald than with that of his grandfather, and accordingly we have attributed it provisionally to the later period without wishing to affirm its official character.)

BM: 3.91 gr.; Berlin: (Bust to left, PLATE XXI).

MAASTRICHT

644. *Obv.*: +CRATIAD-IPIX. Karolus monogram.

Rev.: +INPORTORRIITO. Cross. Obolus.

Gariel XXX, 139 (Brussels).

Brussels: 0.78 gr.

645. *Obv.*: +CRATIAD-IRE. Karolus monogram.

Rev.: +TRI^WIETTOR^WN. Cross. Denarius.

Prou 89 = Gariel XXX, 135.

Paris: 1.74 gr.

646. *Obv.*: +GRACIAD-IREX. Karolus monogram.

Rev.: +TRI^WIETTENSEMOI. Cross. Denarius.

Gariel XXX, 137 (Gariel Coll.).
 Gariel Coll., 964.
 Berlin: 1.46 gr. (PLATE XXI).
Find: Glizy.


647. *Obv.*: +CRACIAD-IREX. Karolus monogram.
Rev.: +TRIGETENSEMON. Cross. Denarius.
 Gariel XXX, 138 (Brussels).
 Brussels: 1.70 gr.
648. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +TRIIETOMONETA. Cross. Denarius.
 Prou 88 = Gariel XXX, 136.
 Paris: 1.74 gr.; Brussels: (var. +TRIEΓOMONETA) 1.23 gr.

DINANT

649. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +INVICODEONANT. Cross. Denarius.
 Brussels: 1.59 gr.
650. *Obv.*: +GRAIOADIR. Karolus monogram.
Rev.: NΔI...DEONTIII. Cross. Denarius.
Find: Arras.
651. *Obv.*: +CRATIAOD-IREX. Karolus monogram.
Rev.: +ENVICODEONIT. Cross. Denarius.
 Gariel XXIX, 102 (Gariel Coll.).
 Gariel Coll., 937; Meyer Coll., 255.
 Théry Coll., 448.
 Berlin: 1.32 gr., 1.53 gr.; ANS: 1.66 gr. (PLATE XXI); Brussels: 1.65 gr.,
 1.66 gr. (var. +INVICODEOMTE).
Find: Compiègne (?); Glizy.
652. *Obv.*: +XCRACIODTIR. Karolus monogram.
Rev.: +INȪICODEONINII. Cross with one dot in one corner.
 Denarius.
 Gariel XL, 5 (Musée de Namur).
 Florange Sept. 1958, 497; Florange Sept. 1959, 478.
653. *Obv.*: +XCRACIODTIR. Karolus monogram.
Rev.: INVICODEONINV. Cross with one dot in each corner. Denarius.
 Gariel XL, 6 (RBN 1852, p. 139, pl. III, 4).
 Brussels: 1.48 gr. (var., damaged).

654. *Obv.*: +CDA+I...ADIDE. Karolus monogram.
Rev.: +NOVICODEONI+II. Cross with one dot in one corner.
 Obolus.
 Prou 97 = Gariel L, 27.
 Paris: 0.77 gr. (PLATE XXI).

HUY

655. *Obv.*: +CDATIADIDEX. Karolus monogram.
Rev.: +XINVICOHOIO. Cross. Denarius.
 Prou 98; Gariel XXIX, 117 (Gariel Coll.); *RBN* 1851, p. 99ff., pl. VIII, 2.
 Gariel Coll., 948.
 Paris: 1.74 gr.; Berlin: 1.58 gr.; ANS: 1.65 gr. (PLATE XXI); Brussels:
 1.65 gr.
Find: Glizy.
656. *Obv.*: +CRTIAD-IREX. Karolus monogram.
 *Rev.*: +XHVICOHIO. Cross. Denarius.
 Gariel L, 29 (Brussels, but not seen at Brussels).

NAMUR

657. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +INVICOHAMVCO. Cross. Denarius.
 Prou 101 = Gariel XXXI, 154.
 Paris: 1.84 gr.; Brussels: (Inv. 108) 1.55 gr. (PLATE XXI, slightly enlarged).
658. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +NVICONAMVCO. Cross. Denarius.
 Gariel XXXI, 155 (Glizy find).
 Brussels: 1.52 gr.
Find: Compiègne (?); Glizy.

NIVELLE

659. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +NIVIELIAVICVS. Cross. Denarius.
 Gariel XXXI, 162 (Gariel Coll.).
 Rousseau Coll., 407; Gariel Coll., 977.
 Berlin: 1.66 gr.; ANS: 1.68 gr. (PLATE XXII).
Find: Glizy.
660. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +NIVIALLAVICVV. Cross. Denarius.

Gariel XXXI, 163 (Brussels).

Brussels: 1.37 gr.

Find: Glizy.

661. *Obv.*: +CRATIAD·I REX. Karolus monogram.

Rev.: +NIVIELLAVICV. Cross. Denarius.

Prou 104.

Théry Coll., 466.

Paris: 1.56 gr.; Brussels: 1.62 gr.; Copenhagen: (K. P. 366) 1.30 gr.

Find: Laxfield.

CHIÈVRES

662. *Obv.*: +CRATIAD·IREX. Karolus monogram.

Rev.: +CERVIAMONETA. Cross. Denarius.

Prou 105 = Gariel XXVIII, 86.

Paris: 1.74 gr. (PLATE XXII).

ESTINNES

663. *Obv.*: +CRATIAD·IREX. Karolus monogram.

Rev.: +LEPTINASFISCO. Cross. Denarius.

Prou 107 = Gariel XXX, 131.

Paris: 1.64 gr. (PLATE XXII); Stock of M. Salton-Schlessinger: 1.45 gr.

MAUBEUGE

664. *Obv.*: +CRATIAD·IREX. Karolus monogram.

Rev.: +MELBODIOM·T. Cross. Denarius.

Prou 108, 109 (var.) = Gariel XXX, 141.

Paris: 1.90 gr., 1.94 gr. (PLATE XXII).

BAVAI

665. *Obv.*: +CRATIAD·IREX. Karolus monogram.

Rev.: bAVACIVITAS. Cross. Denarius.

Prou 110, 111 = Gariel XXVII, 50.

Paris: 1.60 gr., 1.70 gr. (PLATE XXII); ANS: 1.51 gr. (BAVACACIVITAS).

Find: "ANS Find."

CONDÉ-SUR-L'ESCAUT

666. *Obv.*: +CRATIAD·IREX. Karolus monogram.

Rev.: +CONATOMONETA. Cross. Denarius.

Prou 113 = Gariel XXVIII, 90.

Paris: 1.77 gr.

667. *Obv.*: +CRATIA◊-IREX (retrograde). Karolus monogram.
Rev.: +CONDATOMOETA (retrograde). Cross. Obolus.
 Gariel XXVIII, 91 (Brussels).
 Brussels: 0.74 gr. (PLATE XXII, slightly enlarged).
668. *Obv.*: +CRATIAD·IREX. Karolus monogram.
Rev.: +CONDATOMONE. Cross. Denarius.
Find: Glizy.

CAMBRAI

669. *Obv.*: +GRACIAD-IREX. Karolus monogram.
Rev.: CAMARACVSCIVIS. Cross. Denarius.
 Prou 116, 117; Gariel XXVII, 59 (Gariel Coll.).
 Hess 1905, 35; Schulman 1931, 115; Kress Oct. 1960, 1435a; Blaser-Frey June 1963, 10.
 Paris: 1.77 gr., 1.74 gr.; Berlin: 1.61 gr. (PLATE XXII); ANS: 1.63 gr., 1.44 gr.; Brussels: (Inv. 104) 1.71 gr., 1.82 gr.
Find: Courbanton III; "ANS Find."
670. *Obv.*: +GRACIAD-IREX. Karolus monogram.
Rev.: +CAMARACV'S'C'V'S. Cross. Denarius.
 Gariel XXVII, 60 (Glizy find).
 Berlin: 1.66 gr.
Find: Glizy.
671. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +CAMARACVSCIVI. Cross. Denarius.
 Prou 119; BMS 99.
 Théry Coll. 437.
 Paris: 1.70 gr.; ANS: 1.44 gr., 1.54 gr., 1.60 gr. (CIVIS); BM: (38-7-10-1166-Cuerdale, damaged) 1.46 gr.
Find: Etampes; Cuerdale; "ANS Find."
672. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +CAMARACVSCIV. Cross. Obolus.
 Prou 120; Gariel XXVII, 61 (Gariel Coll.); BMS 100.
 Gariel Coll., 911; Meyer Coll., 243; Lockett Coll., 3351 (three pieces).
 Paris: 0.60 gr.; Berlin: 0.70 gr.; ANS: 0.70 gr., 0.71 gr. (PLATE XXII);
 BM: (1956-4-8-39-Lockett) 0.66 gr.; Copenhagen: (K. P. 928) 0.65 gr.
Find: Bligny; "ANS Find."
673. *Obv.*: CRACIAD-IREX. Karolus monogram.
Rev.: +CAMARACVSCI. Cross. Obolus.
 Prou 118.
 Théry Coll., 439.
 Paris: 0.71 gr.

674. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +CAMARACVSCI. Cross with one triangle in one corner.
 Obolus.
 Prou 121 = Gariel XXVII, 62.
 Paris: 0.74 gr.; Brussels: 0.57 gr.

ST-GÉRY (CAMBRAI)

675. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +2CIGAVGERICIMO. Cross. Denarius.
 Prou 123; Gariel XXXIV, 226 (Gariel Coll.).
 Gariel Coll., 1021; Meyer Coll., 299; Théry Coll., 482.
 Paris: 1.75 gr.; ANS: 1.61 gr.
Find.: Etampes; Glizy.
676. *Obv.*: +GRACIAD-IREX. Karolus monogram.
Rev.: +SCIGAVGERICIMO. Cross. Denarius.
 Prou 124.
 Paris: 1.64 gr.; Berlin: 1.63 gr. (PLATE XXII); ANS: 1.63 gr. (CIMON).
Find.: "ANS Find."
677. *Obv.*: +RACIAD-IREX. Karolus monogram.
Rev.: +SCIGAVGERICIM. Cross. Obolus.
 Prou 122 = Gariel XXXIV, 227.
 Paris: 0.74 gr.

HAM

678. *Obv.*: +CRA...IAD-IEREX. Karolus monogram.
Rev.: +HAMOCASTEIIO. Cross. Denarius.
 Gariel XXIX, 116 (Gariel Coll.).
 Rousseau Coll., 395bis; Gariel Coll., 947; Meyer Coll., 260.
 Berlin: 1.03 gr.
679. *Obv.*: +CRATIA-DIREX. Karolus monogram.
Rev.: +HA-MOMOIIEIA. Cross. Denarius.
 Berlin: 1.34 gr. (PLATE XXII); ANS: 1.62 gr. (+NA-MOMOIIEIA, retrograde).
Find.: "ANS Find."

TOUL

680. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +TVLLOCIVITAS. Cross. Denarius.
 Gariel XXXV, 261 (Gariel Coll.).
 Gariel Coll., 1045.
 Berlin: 1.47 gr.
Find.: Courbanton III.

681. *Obv.*: +CRATIADEIREX. Karolus monogram.
Rev.: +TIVIIOCIVITAV. Cross. Denarius.
 Gariel XXXV, 262 (Gariel Coll.).
 Gariel Coll., 1046; Meyer Coll., 311.
682. *Obv.*: +C...ATIADIREX. Karolus monogram.
Rev.: +TVLLOCIVITAS. Cross. Obolus.
 Gariel XXXV, 263 (Gariel Coll.), 264 (Gariel Coll., var.).
 Gariel Coll., 1047, 1048.
 Berlin: 0.42 gr., 0.57 gr. (PLATE XXII).

VERDUN

683. *Obv.*: +CRATIAD-IRE. Karolus monogram.
Rev.: +VIRDVNCIVITAS. Cross with one dot in each corner.
 Denarius.
 Prou 151, 152.
 Paris: 1.52 gr., 1.35 gr.; ANS: 1.37 gr. (PLATE XXII).
Find: Bligny.
684. *Obv.*: +CRATIADIIE. Karolus monogram.
Rev.: +VIRDVNCIVITAS. Cross with one dot in each corner. Denarius.
 Gariel XXXVI, 282 (d'Estissac Coll.).
685. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +VIRIDVNVMCIVI. Cross. Denarius.
 Prou 150; Gariel XXXVI, 283 (Robert, pl. XIV, 2).
 Paris: 1.72 gr.
686. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +VIRIDVNICIVIS. Cross with one dot in each corner. Denarius.
 Berlin: 1.51 gr.
687. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +VIRDVNCIVI. Cross with one dot in each corner. Denarius.
Find: Bligny.
688. *Obv.*: +CACIADIRE+. Karolus monogram.
Rev.: +VRDVNICIVIV. Cross with one dot in each corner. Denarius.
 Prou 153.
 Paris: 1.68 gr. (PLATE XXII).
Find: Bourgneuf.

689. *Obv.*: +CIATIADIRE+. Karolus monogram.
Rev.: +VIRIDVNVMCIVI. Cross with one dot in each corner.
 Denarius.
 Gariel LII, 86 (Gariel Coll.).
 Berlin: 1.59 gr.
- 689a. *Obv.*: +CRATIAD-R. Karolus monogram.
Rev.: +CAROVSVR. Cross. Denarius.
 ANS: 1.53 gr.
Find.: "ANS Find."

MOUZON

690. *Obv.*: +CRATIAD-PI-X. Karolus monogram.
Rev.: +MOSOMOMOTA. Cross. Denarius.
 Prou 167.
 Théry Coll., 465.
 Paris: 1.62 gr. (PLATE XXII).
691. *Obv.*: +CRA-TIA-D-IREX. Karolus monogram.
Rev.: +MVSOMOMOMTA. Cross. Denarius.
 Gariel XXXI, 150 (report of Maxe-Werly).
Find.: Etampes.
692. *Obv.*: +CRATIAD-RX. Karolus monogram.
Rev.: +MOSOMOMONIT. Cross. Denarius.
 Gariel XXXI, 152 (Gariel Coll.).
 Gariel Coll., 970, 971 (var., MOSOMOMONE.); Meyer Coll., 274.
 Berlin: 1.61 gr. (PLATE XXIII).
693. *Obv.*: +CRATIAD-REX. Karolus monogram.
Rev.: +MOSOMOMON. Cross. Denarius.
 Prou 168 = Gariel XXXI, 153.
 Paris: 1.36 gr.; Berlin: 1.40 gr. (PLATE XXIII).
Find.: Bonnevaux.
694. *Obv.*: +CRATIAD-RX. Karolus monogram.
Rev.: +IIOSOIIOIIOIMT. Cross. Denarius.
 Prou 169.
 Paris: 1.56 gr.
695. *Obv.*: +CRATIAD-RIX. Karolus monogram.
Rev.: +MOSOMOMOTA. Cross. Denarius.
 Prou 170 = Gariel XXXI, 151.
 Paris: 1.68 gr.; ANS: 1.74 gr. (BRIVCASMON and GRATIA); Brussels:
 1.21 gr. (var. +MOSOMOMONE), 1.41 gr. (var. +CRATIAD-IREX).
Find.: Zelzate, 1.52 gr.; Bourgneuf; Compiègne (?); Chalon-sur-Saône
 (1893); Glizy; "ANS Find."

696. *Obv.*: +CRATIAD-RX. Karolus monogram.
Rev.: +MOSOMOMOM-MT. Cross. Denarius.
 Prou 171.
 Paris: 1.54 gr.; Copenhagen: (K. P. p. 156) 1.75 gr.

Francia

ARDENBURG (?)

697. *Obv.*: +CRATID-IREX. Karolus monogram.
Rev.: +ROTANISCIVITAS. Cross. Denarius.
 Prou 172.
 Paris: 1.64 gr. (PLATE XXIII).

BRUGES

698. *Obv.*: +GRIATIAQ IREX. Karolus monogram.
Rev.: +BRV66A2MON. Cross. Denarius.
 Prou 173; Gariel XXVII, 55 (Glizy find).
 Blaser-Frey June 1963, 9 (+BRVQVMQVT).
 Paris: 1.86 gr. (PLATE XXIII); Berlin: 1.61 gr.; ANS: 1.67 gr. (Blaser-Frey specimen), 1.74 gr. (GRACIAD-IREX; BRIVCCASMON), 1.80 gr. (CRTIAD-MREX; BRVIICSAIAS); Grierson: 1.81 gr. (var.).
Find.: Zelzate; Glizy.
699. *Obv.*: +CPATAQ-PEX. Karolus monogram.
Rev.: +BPVCCIAMO. Cross with one dot in each corner. Denarius.
 Prou 174; *BMS* 101, 102.
 Rousseau Coll., 544ter.; Gariel Coll., 906, 907, 908; Schulman June 1939, 479; Théry Coll., 535; Münz. u. Med. Nov. 1964, 23.
 Paris: 1.80 gr.; Berlin: (PLATE XXIII); ANS: 1.80 gr.; BM: (38-7-10-1164-Cuerdale) 1.70 gr. (38-7-10-1165-Cuerdale) 1.74 gr.; Brussels: 1.55 gr. (damaged), 1.63 gr., 1.66 gr., 1.69 gr., (Inv. 139bis) 1.73 gr., (Inv. 139) 1.80 gr., 1.85 gr.; The Hague: (633) 1.60 gr., (Inv. 17562) 1.70 gr., (Inv. 17561) 1.80 gr.; Hermitage: 1.59 gr.; Munich: 1.77 gr.; Oslo: 1.72 gr.; Vienna: 1.75 gr.
Find.: Assebrouck; Cuerdale; Kulhusgården.
700. *Obv.*: +CIICATIAQ-IPEX. Karolus monogram.
Rev.: +BPVCCIAMO. Cross with one dot in each corner. Denarius.
 Gariel XLIX, 7 (Gariel Coll.).
 Cahn June 1903, 10; Hamburger Nov. 1912, 106; Riechman Nov. 1924, 36; Kress Oct. 1960, 1508.
 Berlin: 1.75 gr. (var., a wedge in each corner of the rev. cross).

701. *Obv.*: +CCARTEIRX. Karolus monogram.
Rev.: +RRVCCIVIMONT. Cross with one dot in each of two diagonal corners. Denarius.
 Copenhagen: 1.05 gr.

GHENT

702. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +GANDAVVMONE. Cross. Denarius.
 Prou 175 = Gariel XXIX, 110.
 Paris: 1.66 gr.
703. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +CANAVVMMMO. Cross. Denarius.
 Gariel XXIX, 111 (Vernier Coll.).
 Brussels: 1.60 gr.
704. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +GANDAVVM. Cross. Denarius.
 Prou 176; Gariel XXIX, 112 (Gariel Coll.).
 Gariel Coll., 944; Meyer Coll., 258.
 Paris: 1.81 gr.; Berlin: 1.61 gr. (PLATE XXIII); Brussels: (Inv. 106) 1.57 gr., 1.80 gr.; Copenhagen: (K. P. 848) 1.61 gr.; The Hague: (630) 1.01 gr. (damaged).
Find: Zelzate, 1.70 gr., 1.75 gr.; Bourgneuf; Compiègne; Glizy.
705. *Obv.*: +CRATADREX. Karolus monogram.
Rev.: +GVVDA⌘AM. Cross. Denarius.
 Prou 177; Gariel XXIX, 113 (Gariel Coll.).
 Gariel Coll., 945.
 Berlin: 1.47 gr. (PLATE XXIII).
Find: Glizy.
706. *Obv.*: +CARLVSCRACIADERE. Karolus monogram.
Rev.: +CIINDAVVM. Cross. Denarius.
 Gariel XL, 8 (stock of Van Peteghem).
 Meyer Coll., 348.
 Brussels: 1.78 gr. (PLATE XXIII, slightly enlarged).

CASSEL

707. *Obv.*: +CRA•TIADIDEX. Karolus monogram.
Rev.: +CASSEL•LOAV. Cross. Denarius.
 Prou 178 = Gariel XXVII, 63.
 Paris: 1.62 gr. (PLATE XXIII).

708. *Obv.*: +CRATIADIRE. Karolus monogram.
Rev.: +CASSELLOMON. Cross with one dot in each of two diagonal corners. Denarius.
 Gariel XXVII, 64 (Glizy find).
Find: Glizy.

COURTRAI

709. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +CVRTRIACO. Cross. Denarius.
 Prou 179 = Gariel XXVIII, 92.
 Paris: 1.55 gr. (PLATE XXIII).
710. *Obv.*: +CRACIAD-IREX. Karolus monogram.
Rev.: +CVRTRIACOCIVIS. Cross. Denarius.
 Gariel XXVIII, 93 (Vernier Coll.).

THÈROUANNE

711. *Obv.*: +GRATIAD-AREX. Karolus monogram.
Rev.: +TARVENNACI+. Cross. Denarius.
 Prou 181 = Gariel XXXV, 253.
 Théry Coll., 490.
 Paris: 1.61 gr.; ANS: 1.72 gr.
712. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +TA'RVENNACIV'T. Cross. Denarius.
 Prou 180; Gariel XXXV, 252 (Gariel Coll.).
 Gariel Coll., 1039; Meyer Coll., 307.
 Paris: 1.62 gr.; Berlin: 1.79 gr. (PLATE XXIII); Brussels: (Inv. 119) 1.67 gr.
Find: Zelzate; Nourray; Compiègne; Bonnevaux?
713. *Obv.*: +CRATIAD-REX. Karolus monogram.
Rev.: +TARVENNACIV'T. Cross with one dot in each of two diagonal corners. Denarius.
 Prou 182.
 Paris: 1.65 gr. (PLATE XXIII); Hermitage: 1.53 gr.
Find: Courbantou III.
714. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +TARVENNACIV. Cross with one dot in each of two diagonal corners. Denarius.
 Prou 183 = Gariel XXXV, 254.
 Meyer Coll., 308.
 Paris: 1.89 gr. (PLATE XXIII).
Find: Glizy.

QUENTOVIC

715. *Obv.*: +CARLVSREX. Cross with one dot in each of three corners and three dots triangularly arranged in the fourth.

Rev.: QVENTVVICVS. Temple, with one dot at each side and three dots triangularly arranged beneath. Denarius.

Prou 190 = Gariel XXI, 13, 14 (While Gariel mentioned two pieces of this type in the Paris cabinet, Prou listed only one).

Meyer Coll., 200; Bordeaux Coll., 282; Deglatigny Coll., 271; Thèry Coll., 471.

Paris: 1.76 gr.

Find: Pilligerheck, 1.46 gr.

716. *Obv.*: +GRATIAD-IREX. Karolus monogram.

Rev.: +QVVENTOVVICI. Cross with one dot in each of two diagonal corners. Denarius.

Prou 191-194; Gariel XXXII, 187-189; *BMS* 103, 104.

Rousseau Coll., 439; Kress Oct. 1960, 1472; Bordeaux Coll., 388; Blaser-Frey June 1963, 21.

Paris: 1.76 gr., 1.82 gr., 1.76 gr., 1.76 gr.; Berlin: 1.44 gr., 1.56 gr., 1.77 gr. (PLATE XXIII); ANS: 1.63 gr., 1.68 gr., 1.72 gr., 1.73 gr., 1.43 gr., 1.53 gr., 1.62 gr., 1.72 gr., 1.76 gr., 1.77 gr., 1.80 gr., 1.81 gr., Blunt: 1.73 gr.; Brussels: 1.78 gr.; BM: (57-9-1-34-IGP forgery) 1.78 gr., (Cuff-1829) 1.42 gr., (38-7-10-1182 Cuerdale) 1.20 gr.; Copenhagen: (K. P. 1296) 1.47 gr. (damaged); Garrett: (6132) 1.78 gr.; Grierson: 1.80 gr., 1.59 gr., 1.35 gr., 1.10 gr. (damaged); Munich: 1.73 gr.

Find: Bourgneuf; Cuerdale; Glizy; "ANS Find."

717. Same as foregoing. Obolus.

Prou 195; Gariel XXXII, 190-192.

Meyer Coll., 355, 285; Bordeaux Coll., 268; Lockett Coll., 352 (four pieces).

Paris: 0.86 gr.; Berlin: 0.60 gr., 0.74 gr., 0.88 gr. (PLATE XXIV); ANS: 0.60 gr., 0.75 gr. (CRATIADIEI).

Find: Assebrouck; "ANS Find."

718. *Obv.*: +CRATIADI-REX. Karolus monogram.

Rev.: +QVVENTOVVIC. Cross with one dot in each corner. Denarius.

Prou 200; Gariel LI, 60 (Gariel Coll.).

Gariel Coll., 1230; Norman Coll., 552; Bordeaux Coll., 343 (two pieces); Cahn Dec. 1932, 1294; Cahn 1934, 2254.

Paris: 1.25 gr.; Berlin: 1.17 gr., 1.21 gr.; Copenhagen: (K. P. 841) 1.25 gr. (damaged); The Hague: (Inv. 17564) 1.20 gr.; Hermitage: 1.25 gr.; Van Rede: (B1264) 1.19 gr.

Find: Zelzate, 1.37 gr.; Laxfield; Bligny.

719. *Obv.*: +CRATIAD-RE. Karolus monogram.
Rev.: +QVETNOVVICI. Cross with one dot in each of two diagonal corners. Denarius.
 Prou 197.
 Paris: 1.55 gr.; Brussels: 1.45 gr.; Vienna: 1.76 gr.
720. *Obv.*: +CRATIAD-PE. Karolus monogram.
Rev.: +QVENTOVVICI. Cross. Obolus.
 Prou 196; *BMS* 105.
 Blaser-Frey June 1963, 22; Théry Coll., 473.
 Paris: 0.54 gr.; ANS: 0.59 gr. (Blaser-Frey specimen); BM: (1956-4-8-42) 0.84 gr.; Brussels: 0.71 gr., 0.73 gr., 0.89 gr. (var. both legends retrograde, the rev. reading VCIVOTNEVO); Copenhagen: (K. P. 928) 0.69 gr., (Rollin, 1852, var. +CENTOVVIC \diamond O) 0.73 gr. (PLATE XXIV); Grierson: 0.60 gr.; Van Rede: (B1265) 0.78 gr.
Find: Laxfield; Glizy.
721. *Obv.*: +CRAT--DIRE+. Karolus monogram.
Rev.: +OVVEVTOVVIC. Cross with one dot in each of two diagonal corners. Denarius.
 Stuttgart: (2v8194) 1.30 gr.
722. *Obv.*: +6OATIADIREX. Karolus monogram.
Rev.: +OVVENTOVVICI. Cross. Denarius.
 Prou 198.
 Paris: 1.43 gr. (PLATE XXIV).
723. *Obv.*: +CRATIADIREX. Karolus monogram.
Rev.: +QVVENTOVVICI. Cross with one dot in each of two diagonal corners. Denarius.
 Prou 199.
 Théry Coll., 472.
 Paris: 1.38 gr.; Brussels: (Inv. 111) 1.78 gr., (Inv. 112) 1.82 gr.; Copenhagen: (Terslev find 1233.26) 1.01 gr. (damaged), (K. P. 1296) 1.67 gr., (T. 1247) 1.77 gr.; Stuttgart: (PU. 1950/8) 1.47 gr. (PLATE XXIV).
Find: Muizon-lez-Malines, 1.31 gr., 1.49 gr.; Etampes; Bonnevaux; Compiègne; Courbanton III; Arras; Terslev.
724. Same as foregoing. Obolus.
Find: Etampes.
725. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +QVVERITOVVICIV. Cross with one dot in each of two horizontal corners. Denarius.
Find: Arras.
726. *Obv.*: ...NVA AV... Cross.
Rev.: +OVVENTOV... Karolus monogram. Denarius.

Prou 201.

Paris: 1.02 gr.; BM: (1908-10-11-272) 0.58 gr.; Grierson.

727. *Obv.*: +CRATIAOIREX (retrograde). Karolus monogram.

Rev.: +OVIIIIVOVIV. Cross. Obolus.

Prou 202.

Paris: 0.96 gr.

728. *Obv.*: ...APII DVNP... Karolus monogram.

Rev.: +OVHITOVVICV. Cross. Obolus.

Gariel XLII, 55 (Gariel Coll.).

Gariel Coll., 1149-1150.

TOURNAI

729. *Obv.*: +GRATIAD-IREX. Karolus monogram.

Rev.: +TOPNETEMSI. Cross. Denarius.

Gariel XXXVI, 266 (Gariel Coll.).

Gariel Coll., 1049; Meyer Coll., 312; Schulman 1931, 135.

Berlin: 1.51 gr., 1.52 gr.

Find.: Bourgneuf.

VALENCIENNES

730. *Obv.*: +CRATIAD-IREX. Karolus monogram.

Rev.: +VALENCIANISPORT. Cross. Denarius.

Prou 208, 209; Gariel XXXVI, 277 (Arras find).

Théry Coll., 496.

Paris: 1.54 gr., 1.74 gr.; Berlin: 1.83 gr. (PLATE XXIV); ANS: 1.83 gr.,

1.34 gr.; Brussels: 1.56 gr. (Inv. 121) 1.73 gr.; Grierson: 1.70 gr.

Find.: Courbanton II; Vaux-de-Vire; Arras; "ANS Find."

731. *Obv.*: +CRATIAD-IREX. Karolus monogram.

Rev.: +VALENCIANISRT. Cross. Denarius.

Prou 210; Gariel XXXVI, 278 (Glizy find).

Gariel Coll., 1058; Théry Coll., 498.

Paris: 1.70 gr.; Berlin: 1.61 gr. (PLATE XXIV); Brussels: 1.23 gr.

Find.: Glizy.

732. *Obv.*: +CRATIAO-IREX. Karolus monogram.

Rev.: +VALENCIAHISROT. Cross. Denarius.

Prou 211 = Gariel XXXVI, 279.

Hess Oct. 1903, 1331.

Paris: 1.57 gr. (PLATE XXIV).

733. *Obv.*: +CRATIAD-IREX. Karolus monogram.

Rev.: +VALENCIANIS. Cross. Denarius.

Prou 206.

Paris: 1.62 gr.; ANS: 1.70 gr. (broken); Brussels: (Inv. 120) 1.61 gr.

Find: "ANS Find."

734. *Obv.*: +GRATIAD-IREX. Karolus monogram.

Rev.: +VALENCIANIIS. Cross. Denarius.

Gariel XXXVI, 276 (Gariel Coll.).

Gariel Coll., 1057; Meyer Coll., 314; Hamburger Nov. 1912, 82.

Berlin: 1.47 gr.

Find: Glizy.

735. *Obv.*: +CRATIAD-ERIX. Karolus monogram.

Rev.: +VALENCIANIS. Cross. Denarius.

Prou 207.

Blaser-Frey June 1963, 31 (VALENCIANI.).

Paris: 1.34 gr. (PLATE XXIV); ANS: 1.35 gr. (Blaser-Frey specimen), 1.30 gr.

Find: "ANS Find."

LENS

736. *Obv.*: +CRATIAD-IREX. Karolus monogram.

Rev.: +AENONNIS+ISCO. Cross. Denarius.

Gariel XXIX, 106 (Gariel Coll., rev. inscription retrograde).

Berlin: 1.86 gr. (PLATE XXIV).

Find: Glizy.

ARRAS

737. *Obv.*: +GRATIAD-IREX. Karolus monogram.

Rev.: +ATREBA'TISCIVITA'A. Cross. Denarius.

Prou 215.

Théry Coll., 423.

Paris: 1.62 gr.; ANS: 1.57 gr.; Brussels: 1.36 gr.

738. *Obv.*: +GRATIAD-IREX. Karolus monogram.

Rev.: +AREB'ATISCIVIT'A'S. Cross. Denarius.

Prou 216; Gariel XXV, 11 (Gariel Coll.).

Gariel Coll., 876-878; Meyer Coll., 341, 233; Cahn Dec. 1932, 1284;

Théry Coll., 420, 421.

Paris: 1.71 gr.; Berlin: 1.56 gr., 1.74 gr. (PLATE XXIV).

739. *Obv.*: +CRADIAD+RP. Karolus monogram.

Rev.: +AIRASICIVITAS. Cross. Denarius.

Gariel XXV, 15 (Gariel Coll.).

Gariel Coll., 879.

Find: Glizy.

740. *Obv.*: +CRATIAIƿIREX. Karolus monogram.
Rev.: ATREBATISCIVITAS. Cross. Denarius.
Prou 217.
Blaser-Frey June 1963, 6 (GRATIAD-I REX).
Paris: 1.68 gr.; ANS: 1.67 gr., 1 65 gr. (CRATIAD-IREX).
Find: Compiègne?; "ANS Find."
741. *Obv.*: +CRATIAIƿIREX. Karolus monogram.
Rev.: +ATREBAISCIVITAS. Cross. Denarius.
Prou 218 = Gariel XXV, 12.
Paris: 1.92 gr.; Blunt: 1.75 gr.
742. *Obv.*: +CRATIAIƿIREX. Karolus monogram.
Rev.: +ATREBATSCIVITA'S. Cross. Denarius.
Prou 219 = Gariel XXV, 13.
Paris: 1.53 gr.; Brussels: (Inv. 102) 1.62 gr.
Find: Etampes; Bourgneuf.
743. *Obv.*: X(DATIADƿIREX. Karolus monogram.
Rev.: +ATREB'ATISCVITIS. Cross. Denarius.
Prou 224.
Paris: 1.67 gr.; ANS: 1.60 gr. (ATREBATISCIVITS); Munich: 1.54 gr.;
Stuttgart: (2v8120, var.) 1.49 gr.
Find: Courbanton III; "ANS Find."
744. *Obv.*: +CIDATIAD-IREX. Karolus monogram.
Rev.: +ATREBASCIVI. Cross. Denarius.
Prou 225; BMS 106.
Théry Coll., 422.
Paris: 1.72 gr.; Berlin: (PLATE XXIV); ANS: 1.75 gr.; BM: (38-7-10-1157) 1.81 gr.; Brussels: (Inv. 138) 1.69 gr., 1.70 gr.; Copenhagen: (K. P. p. 178) 1.85 gr.
Find: Cuerdale; "ANS Find."
745. *Obv.*: +CRATIATR...X. Karolus monogram.
Rev.: +ATREBASCIVI. Cross. Denarius.
Gariel XLIX, 3 (Gariel Coll.).
Rousseau Coll., 544bis.; Cahn Dec. 1932, 1324, 1325; Meyer Coll., 395;
Lempertz March 1927, 18 (var. with ATRERATIEM).
Berlin: 1.10 gr., 1.72 gr., 1.75 gr.; Brussels: 1.25 gr.
746. *Obv.*: +C\9IIVTIPE (retrograde). Karolus monogram.
Rev.: +ATREB'A'SCV. Cross with one crescent in each of two diagonal corners. Denarius.
Prou 226.
Paris: 1.17 gr.

747. *Obv.*: +CRATIAD⁷IPEX. Karolus monogram.
Rev.: +ATREB'ATISCIV. Cross. Denarius.
 ANS: 1.40 gr.
Find: Arras; Assebrouck.
748. *Obv.*: +GRACIAD-IREX. Karolus monogram.
Rev.: +ATRA'SICIVIT'A'S. Cross. Denarius.
 Prou 220 = Gariel XXV, 14.
 Paris: 1.75 gr.
Find: Glizy.
749. *Obv.*: +CIRATIAD-IREX. Karolus monogram.
Rev.: +ATDEBATISCIVITAS. Cross. Denarius.
 Prou 221.
 Paris: 1.57 gr.
750. *Obv.*: +GDATIAD⁷II'EX. Karolus monogram.
Rev.: +ATREB'ATISCIVITAS. Cross. Denarius.
 ANS: 1.27 gr.
Find: Arras; "ANS Find."

AMIENS

751. *Obv.*: +CRATIAD-IREXI. Karolus monogram.
Rev.: +AMBIANISCIVITAS. Cross. Denarius.
 Prou 232.
 Paris: 1.58 gr.
Find: Zelzate.
752. *Obv.*: +CRATIAD-REX. Karolus monogram.
Rev.: +AIIIBIAIIISCIVITAS. Cross. Denarius.
 Gariel XXV, 2 (Gariel Coll.).
 Helbing March 1911, 2282.
 Berlin: 1.47 gr. (PLATE XXIV).
Find: Etampes.
753. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +AMBIANSCIVII. Cross. Obolus.
 Garrett: (6133) 0.64 gr.
754. *Obv.*: +CRATIAID-REX. Karolus monogram.
Rev.: +AIIIBIANISCIVITAS. Cross. Denarius.
 Prou 236.
 Paris: 1.58 gr.
Find: Vaux-de-Vire.
755. *Obv.*: +CMAIIAC. Karolus monogram.
Rev.: ANBIAIGCIVITAS. Cross. Obolus.

Gariel XXV, 7 (Gariel Coll.); *BMS* 108.

Gariel Coll., 873.

Berlin: 0.63 gr.; BM: (SSB-127-66) 0.60 gr.

756. *Obv.*: +GRATIAD-IREX. Karolus monogram.

Rev.: +ARBIANISCIVITA. Cross. Denarius.

Prou 233, 234 (var. with one dot in each of three corners of the initial cross, *obv.* inscription).

Paris: 1.73 gr., 1.76 gr.; ANS: 1.56 gr., 1.80 gr.; Brussels: 1.54 gr. (var. +AMBIANICIVIA).

Find.: "ANS Find."

757. *Obv.*: +GRATAID-RE+. Karolus monogram.

Rev.: +AMBIANISCIVIT. Cross. Denarius.

Gariel XXV, 3 (Gariel Coll.).

Berlin: 1.71 gr., 1.76 gr., 1.76 gr.

758. *Obv.*: +CRATIAD-REX. Karolus monogram.

Rev.: +AMBIANISCIVII. Cross. Denarius.

Prou 235.

Paris: 1.56 gr.; ANS: 1.33 gr.; The Hague: (Inv. 17618) 1.30 gr.

Find.: "ANS Find."

759. *Obv.*: +CRATIAD-REX. Karolus monogram.

Rev.: +AMBIANSCIV'II. Cross. Obolus.

Prou 238.

Paris: 0.61 gr. (PLATE XXIV).

Find.: Compiègne; Glizy.

760. *Obv.*: +GRATIAD-IREX. Karolus monogram.

Rev.: +AMBIANISCIVI. Cross. Denarius.

Gariel XXV, 5 (Gariel Coll.), 4 (Gariel Coll., var., no bar between D and I in the *obv.* inscription); Prou 231 (var., the N in the *rev.* inscription is retrograde), 239 (var., dot between S and C in the *rev.* inscription), 240 (var., dot between A and M in the *rev.* inscription).

Blaser-Frey June 1963, 5.

Paris: 1.81 gr., 1.71 gr., 1.74 gr.; Berlin: 1.27 gr., 1.39 gr.; ANS: 1.27 gr., 1.28 gr., 1.34 gr., 1.34 gr., 1.40 gr., 1.46 gr., 1.57 gr., 1.71 gr., 1.63 gr. (GRATIADIREX), 1.57 gr., 1.66 gr., 1.72 gr. (PLATE XXIV); Blunt: 1.50 gr.;

Van Rede: (B1247) 1.54 gr.

Find.: Etampes; Compiègne (?); Glizy; Arras; "ANS Find."

761. *Obv.*: +CRATIAD-IREXI. Karolus monogram.

Rev.: +AMBIANISCIVI. Cross. Obolus.

Meyer Coll., 231; stock of Hans Schulman, N.Y. 1963, 0.69 gr.

ANS: 0.62 gr.

762. *Obv.*: +CRATIAD-IREX. Karolus monogram.

Rev.: +AMBIANICIVIA. Cross. Denarius.

Brussels (PLATE XXIV, slightly enlarged).

Find: Nourray.

763. *Obv.*: +CRATIAD-REX. Karolus monogram.

Rev.: +AMBIANISCIV. Cross. Denarius.

Gariel XXV, 6 (Gariel Coll.); Prou 241 (var., D-I in obv. inscription; dot between N and I in rev. inscription).

Paris: 1.81 gr.; Brussels: (Inv. 101) 1.67 gr.

Find: Etampes.

764. *Obv.*: +CRATIAD-RI. Karolus monogram.

Rev.: +AMBIANICCIV. Cross. Obolus.

Prou 237.

Paris: 0.60 gr.; ANS: 0.62 gr.

765. *Obv.*: +GRATIAID-RE. Karolus monogram.

Rev.: +AMBIANISCIVI. Cross. Denarius.

ANS: 1.53 gr. (GRATIAID-RE), 1.49 gr. (GRATIAID-IRE).

Find: Glizy; "ANS Find."

766. *Obv.*: +GRIATIAID-RE. Karolus monogram.

Rev.: +AMBIANISCIV. Cross. Denarius.

Find: Glizy.

767. *Obv.*: +GRATIAD-I. Karolus monogram.

Rev.: +AMBIANIS. Cross. Obolus.

Prou 242 = Gariel XXV, 8; Prou 243 (var., no bar in obv. inscription).

Gariel Coll., 874; Théry Coll., 418.

Paris: 0.62 gr., 0.92 gr.; Berlin: 0.72 gr. (PLATE XXV); ANS: 0.70 gr.;

Copenhagen: (K. P. 928) 0.65 gr.

Find: Glizy; "ANS Find."

PÉRONNE

768. *Obv.*: +CRATIAD-IREX. Karolus monogram.

Rev.: +PERRONENSISMO. Cross. Denarius.

Gariel XXXII, 186 (Mallet Coll.).

ANS: 1.40 gr., 1.42 gr. (PLATE XXV).

Find: "ANS Find."

ST-FURSY (PÉRONNE)

769. *Obv.*: +CRATID-IRIEX. Karolus monogram.

Rev.: +SC-IFVRSEICASTELLO. Cross. Denarius.

Gariel XXXIV, 225 (Gariel Coll.).

Gariel Coll., 1020; DuLac Coll. II, 515.

Berlin (PLATE XXV).

Find: Arras.

ST-PIERRE (CORBIE)

770. *Obv.*: +GRATAD-IREX. Karolus monogram.
Rev.: +SC-IPETRIMONETA. Cross. Denarius.
 Prou 961; Gariel XXXIV, 231 (Gariel Coll.).
 Gariel Coll., 1023; DuLac Coll. II, 516.
 Paris: 1.23 gr.; Berlin: 1.43 gr.; ANS: 1.32 gr. (MIONETA), 1.45 gr. (PLATE XXV).
Find.: Etampes; Glizy; Troyes (1910), 1.39 gr.
771. *Obv.*: +CRATIAb-IREX. Karolus monogram.
Rev.: +SC-IPETRNOMETE. Cross. Obolus.
 Gariel XXXIV, 232 (Gariel Coll.).
 Gariel Coll., 1024.
 Berlin: 0.69 gr.
Find.: Compiègne.

ST-QUENTIN

772. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +SC-IVVINTINIMO. Cross. Denarius.
 Prou 249, 253 (var., :+ at beginning of rev. inscription).
 Théry Coll., 485.
 Paris: 1.43 gr., 1.76 gr. (PLATE XXV); ANS: 1.26 gr., 1.35 gr., 1.48 gr., 1.50 gr., 1.56 gr., 1.56 gr., 1.58 gr., 1.59 gr., 1.65 gr., 1.65 gr., 1.68 gr., 1.72 gr. (CRIATIA), 1.82 gr.; Grierson: 1.63 gr.
Find.: Etampes; Compiègne (?); Arras; Glizy; "ANS Find."
773. Same as foregoing. Obolus.
 Prou 254; Gariel XXXIV, 239 (Gariel Coll.).
 Hess-Bank Leu Oct. 1964, 1067; Meyer Coll., 301; Cahn April 1929, 41;
 Schulman June 1939, 491.
 Berlin: 0.57 gr. (PLATE XXV); ANS: 0.74 gr. (Bank Leu).
Find.: Glizy.
774. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +SC-IVVINTINMD. Cross. Denarius.
 Gariel XXXIV, 235 (Gariel Coll.).
 Hamburger Sept. 1926, 11; Cahn April 1929, 40; Lockett Coll., 349;
 Kress Oct. 1960, 1470.
 ANS: 1.72 gr.
Find.: Glizy.
775. *Obv.*: +CRIATIAD-IRE'X. Karolus monogram.
Rev.: +SCIIVVINTINIMONET. Cross. Denarius.
 Prou 246 = Gariel XXXIV, 234.
 Paris: 1.69 gr.; Brussels: 1.72 gr.

776. *Obv.*: +CRIATIADIRE'X. Karolus monogram.
Rev.: ⚡: SCI9VITNNIMOET. Cross. Denarius.
 Prou 247.
 Théry Coll., 484.
 Paris: 1.47 gr. (PLATE XXV); ANS: 1.58 gr.
Find: "ANS Find."
777. *Obv.*: +CRATIADIREX. Karolus monogram.
Rev.: ⚡: SCI9VITNNIMONET. Denarius.
 Prou 248 = Gariel XXXIV, 233.
 Blaser-Frey June 1963, 28.
 Paris: 1.74 gr.; ANS: 1.72 gr., 1.76 gr.
Find: "ANS Find."
778. *Obv.*: +CRATIAD-IRE. Karolus monogram.
Rev.: +SCI9VITINMOET. Cross. Obolus.
Find: Glizy.
779. *Obv.*: ⚡: CRATIAD-RE: X̄ (retrograde). Karolus monogram.
Rev.: ⚡: 2C-19VHHHTMOE. Cross. Denarius.
 Prou 251 = Gariel XXXIV, 238.
 Paris: 1.53 gr.; ANS: 1.81 gr. (CRIATIAD).
Find: "ANS Find."
780. *Obv.*: +CRATIAD-IRE'X. Karolus monogram.
Rev.: SCI9VNITINMONT. Cross. Denarius.
 Prou 252.
 Paris: 1.52 gr. (PLATE XXV).
781. *Obv.*: ⚡: CRATIAD-IRE: X. Karolus monogram.
Rev.: ⚡: SCĪ9VINTINMO. Cross. Denarius.
 Gariel XXXIV, 236 (Gariel Coll.).
 Berlin: 1.42 gr., 1.46 gr., 1.54 gr., 1.67 gr., 1.72 gr., 1.74 gr. (PLATE XXV);
 ANS: 1.24 gr., 1.38 gr., 1.42 gr., 1.45 gr., 1.58 gr., 1.60 gr., 1.65 gr., 1.70 gr., 1.72 gr., 1.75 gr.
Find: Glizy; Courbanton III; "ANS Find."
782. *Obv.*: +: CRATID-IR... Karolus monogram.
Rev.: ⚡: SC-ΛΛII...TNMO. Cross. Denarius.
 Gariel XXXIV, 237.
783. *Obv.*: ⚡: CRATIAD-IRE: X: Karolus monogram.
Rev.: ⚡: SC-19VINTIIIMO. Cross. Denarius.
 Prou 250.
 Paris: 1.61 gr.; ANS: 1.60 gr. (SC-IQVNIT), 1.87 gr. (TINIIVIO); The Hague: (Inv. 17581) 1.80 gr.
Find: "ANS Find."

BEAUVAIS

784. *Obv.*: +CAROLVSREXFR. Cross.
Rev.: +BELGEVACVSCI. Karolus monogram. Denarius.
 Prou 255.
 Blaser-Frey June 1963, 8.
 Paris: 1.64 gr. (PLATE XXV).
Find: Compiègne (?); Glizy.
- 784a. *Obv.*: +CAROLVSREXFR. Cross.
Rev.: +BELCEVACASCI. Karolus monogram. Obolus.
 ANS: 0.75 gr.
Find: "ANS Find."

MORIENVAL

785. *Obv.*: +CRATIAD-RE. Karolus monogram.
Rev.: +MAVRINIANEVAL. Cross. Denarius.
 Prou 262 = Gariel XXX, 142.
 Berlin: 1.50 gr.; 1.53 gr. (PLATE XXV).
786. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +MAVRINIANEVAL. Cross. Denarius.
 Prou 263; Gariel XXX, 143 (Glizy find).
 Gariel Coll., 965 (ex Glizy).
 Paris: 1.70 gr. (PLATE XXV).
Find: Glizy.
787. *Obv.*: +CRATIADIREX. Karolus monogram.
Rev.: +MAVRINIANEVAL. Cross. Denarius.
 Gariel XXX, 144 (Fabre Coll.).
 Meyer Coll., 270; Bordeaux Coll., 263; DuLac Coll. II, 507.
 ANS: 1.40 gr. (PLATE XXV), 1.36 gr. (MAVRINIANEVAL).
Find: Arras; "ANS Find."

COMPIÈGNE

788. *Obv.*: +CARLVSREXFR. Cross.
Rev.: +CONPEDIVPALAT. Karolus monogram.
 Cf. *Memoirs du Congrès de Numismatique* (1900), p. 245.
 Meyer Coll., 401; Bordeaux Coll., 336 (ex Meyer).
789. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +CONPEDIVPALATIO. Cross. Denarius.
 Prou 264.
 Théry Coll. 444.

Paris: 1.73 gr.; Berlin (PLATE XXV); ANS: 1.52 gr., 1.57 gr., 1.68 gr., 1.68 gr., 1.72 gr., 1.40 gr. (COMPENDIO); Copenhagen: (K. P. 777) 1.50 gr.
Find: Compiègne; Courbanton III; Glizy; Arras; "ANS Find."

790. *Obv.*: +CRATIAO-IRE·X. Karolus monogram.

Rev.: +COMPENDIOPALACIO. Cross. Denarius.

Prou 266; Gariel XXVIII, 88 (Gariel Coll.).

Gariel Coll., 930; Schulman June 1939, 482; Peuss Nov. 1954, 1741; Kress Oct. 1960, 1440.

Paris: 1.77 gr.; Berlin: 1.70 gr., 1.73 gr., 1.85 gr.; ANS: 1.58 gr., 1.73 gr., 1.48 gr. (CRATIA).

Find: "ANS Find."

791. *Obv.*: +CRATIAD-IREX. Karolus monogram.

Rev.: +CONPEDIOPALCI. Cross. Obolus.

Prou 265; Gariel XXVIII, 89 (de Roucy Coll.).

Paris: 0.65 gr.

Find: Compiègne; Glizy.

LAON

792. *Obv.*: +CAROLVSREXPIVS. Cross with one dot in each corner.

Rev.: LVGDVNICLAVATI. Temple. Beneath, a cross between two triangles. Denarius.

Prou 269 = Gariel L, 31; 32 (Gariel Coll.).

Gariel Coll., 1215.

Paris: 1.74 gr.; Berlin: 1.64 gr. (PLATE XXV).

Find: Pilligerheck, 1.62 gr. (var., lacking rev. triangles), 1.67 gr., 1.77 gr.; Schowen.

793. *Obv.*: KAROLVSGRATIADIREX. Temple.

Rev.: +MONTLVGDVNICLA^VAT. Cross with two dots in each corner. Denarius.

Gariel L, 33 (Gariel Coll.).

Berlin: 1.53 gr., 1.60 gr.

Find: Zelzate, 1.69 gr. (var. + MONETALVGDNICL).

794. *Obv.*: +GRATIAD-IREX. Karolus monogram.

Rev.: +LVGDVNICLAVATI. Cross. Denarius.

Prou 270, 271, 272; Gariel XXX, 125 (Gariel Coll.); BMS 109, 110.

Rousseau Coll., 396; Hamburger Nov. 1912, 65; Cahn Dec. 1932, 1288;

Kress Oct. 1960, 1446, 1447; Kress Dec. 1961, 662; Lockett Coll., 345;

Kress Nov. 1966, 1470.

Paris: 1.80 gr., 1.65 gr., 1.77 gr.; Berlin: 1.34 gr., 1.79 gr. (PLATE XXVI);

ANS: 1.30 gr., 1.40 gr., 1.53 gr., 1.54 gr., 1.59 gr., 1.68 gr., 1.69 gr., 1.73 gr.,

1.73 gr., 1.74 gr., 1.74 gr., 1.74 gr., 1.74 gr., 1.74 gr., 1.75 gr., 1.75 gr.,

1.76 gr., 1.76 gr., 1.77 gr., 1.77 gr., 1.77 gr., 1.78 gr., 1.78 gr., 1.79 gr., 1.79 gr., 1.80 gr., 1.80 gr., 1.83 gr., 1.27 gr. (GRATIADREX-LVCIDIINI); BM: (SSB-127-53) 1.71 gr., (38-7-10-1175) 1.76 gr.; Brussels: 1.26 gr. (fragment), 1.52 gr., 1.54 gr., (Inv. 107) 1.84 gr.; Grierson: 1.77 gr., 1.70 gr.; The Hague: (Inv. 17565) 1.60 gr.; Hermitage: 1.77 gr.; Holmes: 1.64 gr.; Van Rede: (B1254) 1.75 gr.
Find: Bourgneuf; Bligny; Etampes; Compiègne; Courbanton III; Laxfield; Chalon-sur-Saône (1893); Arras; Cuerdale; "ANS Find."

795. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +L^VCDVNICLAVATI. Cross. Denarius.
 Gariel XXX, 126 (Gariel Coll.).
796. *Obv.*: +GRAFIA-D-IREX. Karolus monogram.
Rev.: +LVGDVNICLAVATI. Cross. Denarius.
 Prou 273.
 Paris: 1.68 gr.; ANS: 1.78 gr.
797. *Obv.*: +CDAITAOTIDEX. Karolus monogram.
Rev.: +LVDOVNICLAVATI. Cross. Denarius.
 Prou 274 = Gariel XXX, 127.
 Paris: 1.42 gr. (PLATE XXVI).
798. *Obv.*: +CRATIAOTIEX. Karolus monogram.
Rev.: +LVGDVNOCLA. Cross with one dot in each corner. Obolus.
 Prou 275 = Gariel XXX, 128.
 Gariel Coll., 958; Meyer Coll., 265; Blaser-Frey June 1963, 14.
 Paris: 0.84 gr. (PLATE XXV); Berlin: 1.06 gr.; ANS: 0.89 gr. (CRATIAD-IREX; LVCDVNICLAVATI) Blaser-Frey specimen, 0.75 gr., 0.86 gr.
Find: Compiègne; Glizy; "ANS Find."
799. *Obv.*: +CLEMENTIADIREX. Karolus monogram.
Rev.: +LVGDVNICLAVATI. Cross. Denarius.
 Gariel L, 34 (RN 1854, pp. 61-66).
 RN: 1.56 gr.
800. *Obv.*: +C...EHEMTIADIRE. Karolus (?) monogram.
Rev.: +LVGDVN...IA. Cross. Denarius.
 Gariel LIII, 24 (Laon).

PIERREPONT

801. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +PETRIPONTENO. Cross. Denarius.
 Meyer Coll., 353.

NOYON

802. *Obv.*: +CARLVSREXFR. Cross.

Rev.: +NOVI \diamond M. Karolus monogram. Denarius.

Prou 952 = Gariel XIII, 210; Gariel XXIII, 65 (Gariel Coll., var. with +NOVI \diamond M.).

Gariel Coll., 843; DuLac Coll. II, 497; Théry Coll., 467.

Paris: 1.87 gr.; Berlin: 1.75 gr. (PLATE XXVI); ANS: 1.43 gr., 1.71 gr.

Find.: Glizy; Schowen; "ANS Find."

803. *Obv.*: +CARLVSREXFR. Cross.

Rev.: +NIOVIIV \diamond M. Karolus monogram. Obolus.

Gariel XXIII, 66 (Gariel Coll.).

Gariel Coll., 844.

Berlin: 0.52 gr. (PLATE XXVI).

Find.: Glizy.

804. *Obv.*: +GRATIAD-IREX. Karolus monogram.

Rev.: +HN \diamond VI \diamond MVILLA. Cross. Denarius.

Prou 953; Gariel XXXI, 159 (Gariel Coll.); Prou 954 and Gariel LXXI, 160 vary; BMS 111, 112.

Meyer Coll., 276; Hamburger Nov. 1912, 69; Lockett Coll., 347; Théry Coll., 468.

Paris: 1.75 gr., 1.74 gr.; Berlin: 1.73 gr.; ANS: 1.65 gr., 1.81 gr. (PLATE XXVI); BM: (38-7-10-1178-Cuerdale) 1.80 gr., (1956-4-8-37-Lockett) 1.72 gr.; Garrett: (6137) 1.80 gr.

Find.: Bourgneuf; Courbanton II; Courbanton III; Vaux-de-Vire; Cuerdale; "ANS Find."

SOISSONS

805. *Obv.*: +GRATIADIREX. Karolus monogram.

Rev.: +SVESSIOCIVITAS. Cross. Denarius.

Prou 278, 279, 280, 281; Gariel XXXV, 248 (Gariel Coll.); BMS 113, 114. Rousseau Coll., 405, 494; Deglatigny Coll., 271; Hamburger Nov. 1912, 78; Hamburger Feb. 1928, 1794; Cahn Dec. 1932, 1299; Lockett Coll., 350, Blaser-Frey June 1963, 30.

Paris: 1.80 gr., 1.75 gr., 1.51 gr., 1.65 gr.; Berlin: 1.76 gr. (PLATE XXVI); ANS: 1.64 gr., 1.58 gr., 1.61 gr., 1.62 gr., 1.64 gr., 1.65 gr., 1.66 gr., 1.67 gr., 1.68 gr., 1.69 gr., 1.69 gr., 1.71 gr., 1.71 gr., 1.78 gr., 1.78 gr., 1.81 gr.; Blunt: 1.63 gr.; BM: (38-7-10-1184-Cuerdale) 1.62 gr., (79-7-10-2) 1.61 gr.; Brussels: (Inv. 118) 1.45 gr., 1.74 gr.; Copenhagen: (K. P. 727) 1.67 gr.; Grierson: 1.69 gr.; The Hague: (Inv. 1946:50) 1.72 gr.; Stuttgart: (2v8499) 1.48 gr.; Van Rede: (B1269) 1.72 gr.

Find.: Etampes; Courbanton III; Arras; Glizy; Cuerdale; "ANS Find."

806. Same as foregoing. Obolus.

Prou 282 = Gariel XXXV, 250.

Paris: 0.81 gr.; ANS: 0.83 gr. (PLATE XXVI).

Find.: Compiègne.

807. *Obv.*: +GRATIADIREX. Karolus monogram.
Rev.: +SVESSI◊CIVITAS. Cross with one crescent in one corner.
 Obolus.
 Prou 283 = Gariel XXXV, 251.
 Paris: 0.78 gr. (PLATE XXVI).
808. *Obv.*: +CRATIADIREX. Karolus monogram.
Rev.: +SVESSI◊CIVITAS. Cross. Denarius.
 Prou 284.
 Paris: 1.23 gr.
809. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +SVESOICIVITVS. Cross. Denarius.
 Gariel XXXV, 249 (Gariel Coll.).
Find: Glizy.
810. *Obv.*: +CRATIANREX. Karolus monogram.
Rev.: +VE·SSNCIVTIVS. Cross. Denarius.
 Prou 285.
 Paris: 1.09 gr.

ST-MÉDARD (SOISSONS)

811. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +SC̄IMEDARDIMOIIT. Cross. Denarius.
 Gariel XXXIV, 228 (Gariel Coll.), XXXIX, 14 (var. Combrouse, pl. XXXII, 4).
 Gariel Coll., 1022.
 Berlin: 1.75 gr. (PLATE XXVI); ANS: 1.62 gr., 1.25 gr. (S-CIWEDAR-DOHT).
Find: Arras; "ANS Find."

RETHONDES

812. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +ROTVNDASCELLA. Cross. Denarius.
 Prou 288; Gariel XXXIII, 214.
 Paris: 1.46 gr. (PLATE XXVI).

RHEIMS

813. *Obv.*: +CAROLVSREXFR. Cross with one dot in each corner.
Rev.: REMISCIVITAS. Temple. Denarius.
 Prou 296, 297; Gariel XXI, 15, 16 (Marsum find); BMS 115.
 Paris: 1.48 gr., 1.35 gr.; Berlin: 1.69 gr.; ANS: 1.28 gr. (PLATE XXVI);
 Assen Museum: (M1855/1935-9, A13, var. REMISCIVITAS) 1.38 gr.,
 (M1892-3) 1.59 gr., (M1872-2-2) 1.27 gr. (broken), (M1872-2-1) 1.26 gr.,

(M1872-214) 1.46 gr., (M1872-213) 1.50 gr., (1872-2a) 1.55 gr.; BM: (SSB-127-70) 1.61 gr.; Brussels: (Inv. 113) 1.32 gr., (Inv. 114) 1.36 gr.; Copenhagen: (K. P. p. 148) 1.50 gr.; The Hague: (Inv. 17566) 1.25 gr., (607) 1.35 gr., (Inv. 1931:285) 1.45 gr., (Inv. 17568) 1.51 gr., (Inv. 17567) 1.05 gr.

Find: Neuvi-au-Houlme; Kimsverd-Pingjum I (?); Fontaines; Ballon; Achlum; Zelzate, 1.39 gr., 1.52 gr.; Ide 1.51 gr., 1.44 gr., 1.36 gr.; Pilligerheck, 1.37 gr., 1.40 gr., 1.43 gr., 1.51 gr., 1.53 gr., 1.53 gr., 1.56 gr., 1.57 gr.; Wagenbogen; Emmen; Marsum.

814. *Obv.*: +GRATIAD-IREX. Karolus monogram.

Rev.: +REMISCIVITAS. Cross. Denarius.

Prou 298; Gariel XXXIII, 193 (Gariel Coll.).

Rousseau Coll., 402, 470; Meyer Coll., 286, 356; Schulman Oct. 1913, 394; Cahn April 1929, 34; Lockett Coll., 349; Kress Oct. 1960, 1473; Blaser-Frey June 1963, 23.

Paris: 1.75 gr.; Berlin: 1.71 gr.; ANS: 1.68 gr. (PLATE XXVI); 1.27 gr., 1.48 gr., 1.51 gr., 1.56 gr., 1.57 gr., 1.57 gr., 1.60 gr., 1.63 gr., 1.64 gr., 1.65 gr., 1.67 gr., 1.68 gr., 1.69 gr., 1.69 gr., 1.70 gr., 1.70 gr., 1.70 gr., 1.71 gr., 1.71 gr., 1.72 gr., 1.73 gr., 1.73 gr., 1.73 gr., 1.74 gr., 1.74 gr., 1.75 gr., 1.78 gr., 1.80 gr. and 13 specimens with GRACIA: 1.49 gr. (broken), 1.51 gr., 1.55 gr., 1.60 gr., 1.66 gr., 1.68 gr., 1.68 gr., 1.69 gr., 1.69 gr., 1.70 gr., 1.71 gr., 1.74 gr., 1.80 gr.; Blunt: 1.49 gr.; Brussels: (Inv. 115, var.) 1.38 gr.; Copenhagen: (K. P. 724) 1.54 gr., (K. P. 727) 1.76 gr.; Hermitage: 1.68 gr.; Stuttgart: (var. +EMIVISSIVITAS) 1.24 gr., (2v8503, var.) 1.74 gr.; Van Rede: (B1266) 1.69 gr.

Find: Bourgneuf; Bligny; Nourray; Etampes; Compiègne; Courbantou III; Chalon-sur-Saône (1893); Arras; Bonnevaux; "ANS Find."

815. *Obv.*: +CRATIAD-IRE. Karolus monogram.

Rev.: +REMISCIVITAS. Cross. Denarius.

Prou 299.

Paris: 1.72 gr.; Grierson: 1.65 gr., 1.45 gr.

816. *Obv.*: +GRATIAD-IRE. Karolus monogram.

Rev.: REMISCIVITAS. Cross. Obolus.

Prou 300.

Meyer Coll., 287; Bordeaux Coll., 269; Théry Coll., 475.

Paris: 0.74 gr.; Berlin: (CIVITA) (PLATE XXVI); The Hague: (Inv. 1946:49); ANS: 0.64 gr.

Find: Compiègne; "ANS Find."

ATTIGNY

817. *Obv.*: +CRATIAD-IREX. Karolus monogram.

Rev.: +ATINIACOPA. Cross. Denarius.

Prou 308.

Paris: 1.60 gr. (PLATE XXVI); ANS: 1.59 gr.

Find: Etampes; Compiègne; Courbantou III; Glizy; "ANS Find."

818. *Obv.*: +CRATIAD-IRE (retrograde). Karolus monogram.
Rev.: +ATINIACOPA. Cross. Denarius.
 Prou 309, 310 (var., *obv.* inscription not retrograde); Gariel XXV, 16 (Fabre Coll., var., +CRATIAD-IREX).
 Gariel Coll., 880; Bordeaux Coll., 249; Meyer Coll., 234; Théry Coll., 424 (This specimen ex Bordeaux and Meyer collections).
 Paris: 1.54 gr., 1.64 gr.; Berlin: 1.48 gr.
819. *Obv.*: +CRATIAD-IRE. Karolus monogram.
Rev.: +AATINIACOPA. Cross. Denarius.
 Gariel XXV, 17.
 Gariel Coll., 881.
 Berlin: 1.58 gr.
- 819a. *Obv.*: +GRATIAPIREX. Karolus monogram.
Rev.: ANTINI·ACOFISCO. Cross. Obolus.
 Théry Coll., 425.
Find: Glizy.

CHÂLONS-SUR-MARNE

820. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +CATALAVNISCIVITAS. Cross. Denarius.
Find: Bligny.
821. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +CATALAVNISCIV. Cross. Denarius.
 Prou 311, 312.
 Paris: 1.45 gr., 1.83 gr. (PLATE XXVI).
Find: Courbantou III.
822. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +CATALAVNISCIV. Cross. Denarius.
 Gariel XXVII, 65 (Glizy find).
 Berlin: 1.32 gr. (var., with one wedge in one corner of the rev. cross), 1.60 gr., 1.70 gr. (PLATE XXVII); ANS: 1.80 gr.; Grierson: 1.52 gr. (var.).
Find: Glizy; "ANS Find."
823. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +C'ATAIAVNISCIT. Cross. Denarius.
 Prou 314.
 Paris: 1.41 gr. (PLATE XXVII).
824. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +CATAIAVNISCVTAT. Cross. Denarius.
 Prou 313; Gariel XXVII, 66.
 Gariel Coll., 912; Bordeaux Coll., 251; Meyer Coll., 244; Hess 1912, 22.
 Paris: 1.53 gr.; ANS: 1.46 gr.; The Hague: (Inv. 17569) 1.20 gr.

PARIS

825. *Obv.*: +CARLVSR'E+. Cross.
Rev.: PARIS/•/II. Denarius.
 Gariel LI, 55 (Gariel Coll.).
 Berlin: 1.08 gr., 1.35 gr.
826. *Obv.*: +CARLVSREX. Cross.
Rev.: PARI/SI•I. Denarius.
 Prou 321, 322 (var.).
 Rousseau Coll., 516; Meyer Coll., 194; Bordeaux Coll., 281; Hirsch Nov. 1958, 747.
 Paris: 1.70 gr., 1.57 gr.; Berlin (PLATE XXVII); ANS: 1.40 gr., 1.58 gr.; Brussels: 1.54 gr.; The Hague: (Inv. 17572) 1.15 gr.; Hermitage: 1.44 gr.
Find.: Pilligerheck, 1.25 gr.; Wagenbogen.
827. *Obv.*: +CARLVSREXFR. Cross.
Rev.: PARISIICIVITAS. Temple. Denarius.
 Prou 323; Gariel XXI, 12 (Gariel Coll.).
 Gariel Coll., 803; Meyer Coll., 199.
 Paris: 1.47 gr.; Berlin: 1.31 gr. (PLATE XXVII); Grierson: 1.52 gr. (damaged); Groningen Museum: (3374) 1.63 gr.; The Hague: (Inv. 17571) 1.20 gr. (damaged).
Find.: Oudwoude, 1.60 gr.; Zelzate; Pilligerheck, 1.30 gr., 1.66 gr.; Wagenbogen, 1.20 gr.; Loppersum.
828. *Obv.*: +CAROLVSREX. Cross with one dot in each corner.
Rev.: +PARISIICIVITAS. Karolus monogram. Denarius.
 Gariel XLII, 52 (Gariel Coll.).
 Gariel Coll., 1147.
 Berlin: 1.63 gr. (PLATE XXVII).
829. *Obv.*: +CAROLVSRE+. Cross with one dot in each corner.
Rev.: +PARISIICIIITAS. Karolus monogram. Denarius.
 Gariel XLII, 53 (Gariel Coll.).
 Gariel Coll., 1148.
830. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +PARISIICIVITAS. Cross. Denarius.
 Prou 326.
 Cahn March 1926, 38; Lempertz March 1927, 9; Cahn April 1929, 31;
 Cahn Dec. 1932, 1293; Cahn 1934, 314; Kress Oct. 1960, 1466.
 Paris: 1.77 gr.; ANS: 1.68 gr. (PLATE XXVII), 1.56 gr., 1.65 gr., 1.67 gr., 1.69 gr., 1.69 gr., 1.72 gr., 1.72 gr., 1.75 gr., 1.80 gr.; Stuttgart: (2v8470) 1.55 gr.
Find.: "ANS Find."
831. Same as foregoing. Obolus.
 Prou 327 = Gariel XXXII, 185; BMS 116.

Paris: 0.68 gr.; Berlin: 0.84 gr. (PLATE XXVII); BM: (38-7-10-1180-Cuerdale) 0.64 gr.; Copenhagen: (K. P. 928, var.) 0.59 gr.
Find: Cuerdale.

832. *Obv.*: +CRATID-IREX. Karolus monogram.

Rev.: +PARISIICIVITAS. Cross. Denarius.

Prou 328, 329.

Paris: 1.69 gr., 1.31 gr.; Brussels: 1.70 gr.; Grierson: 1.63 gr. (var. XPARISIICIVITAS).

833. *Obv.*: +CRATIAD-IREX. Karolus monogram.

Rev.: +PARISIICIVITAS. Cross. Denarius.

Prou 324; Gariel XXXII, 182 (Gariel Coll.), 183.

Blaser-Frey June 1963, 20.

Paris: 2.03 gr. (genuine?); Berlin: 1.70 gr., 1.73 gr.; ANS: 1.54 gr. (CRACIA); Blunt: 1.75 gr.; Copenhagen: (K. P. p. 124, var., Karolus monogram on rev., cross on obv.) 1.60 gr., (K. P., p. 148) 1.75 gr. (PLATE XXVII); The Hague: (Inv. 17570) 1.60 gr.; Vienna: 1.70 gr.

Find: Chalon-sur-Saône (1893); Bourgneuf; Bligny; Nourray; Etampes; Compiègne (?); Courbanton II; Courbanton III; Glizy; Arras; Evreux; "ANS Find." The presence of this type in the Evreux find indicates that it may have been struck under Charles the Simple as well as under Charles the Bald.

834. *Obv.*: +CRATIAD-IREX. Karolus monogram.

Rev.: +PARISIICIVITAS. Cross. Denarius.

Gariel XXXII, 184 (Gariel Coll.).

835. *Obv.*: +CRATIAD-ERIX. Karolus monogram.

Rev.: +PARISIICIVITAS. Cross. Denarius.

Prou 325; BMS 117.

Paris: 1.17 gr.; BM: (38-7-10-1179-Cuerdale) 1.78 gr.

Find: Cuerdale.

836. *Obv.*: +CRATIAD-IREX. Karolus monogram.

Rev.: +PARISIICIVITAS. Cross. Denarius.

Prou 330, 331.

Paris: 1.74 gr., 1.72 gr. (PLATE XXVII).

837. *Obv.*: +CARTIAD-IDEI+. Karolus monogram.

Rev.: +PA·D·IICIVITA. Cross. Denarius.

Gariel LI, 54 (Gariel Coll.).

838. *Obv.*: +CICAIHAPIREX. Karolus monogram.

Rev.: +PARISIICIVIIS. Cross. Denarius.

Prou 332.

Paris: 1.49 gr. (PLATE XXVII).

ST-DENIS

839. See above, no. 139a.

840. *Obv.*: •CRATIAD-IR•. Karolus monogram.

Rev.: +SCIDIONVS•IM. Cross. Denarius.

Prou 342, 343; Gariel XXXIV, 220, 221 (Gariel Coll., var.).

Cahn Dec. 1932, 1298; Hess Lucerne July 1933, 93; Blaser-Frey June 1963, 26.

Paris: 1.53 gr., 1.64 gr. (PLATE XXVII); Brussels: 1.61 gr.

Find: Zelzate, 1.68 gr.; Courbanton III; Glizy.

841. Same as foregoing. Obolus.

Gariel XXXIV, 222 (Gariel Coll.).

Gariel Coll., 1018; Schulman 1931, 134; Kricheldorf May 1956, 352;

Kress Oct. 1960, 1443a; Blaser-Frey June 1963, 27.

Berlin: 0.83 gr.; ANS: 0.62 gr. (Blaser-Frey specimen), 0.62 gr.

Find: Glizy; "ANS Find."

842. *Obv.*: +CRATIAD•IREX. Karolus monogram.

Rev.: +SCIDIONVSII•. Cross. Denarius.

Prou 346.

Paris: 1.57 gr.

843. *Obv.*: +CRATIAD-IREX. Karolus monogram.

Rev.: +SCIDIONVSIIM. Cross. Denarius.

Prou 344, 345; Gariel XXXIV, 219 (Gariel Coll.); BMS 118, 119.

Rousseau Coll., 404; Hamburger Nov. 1912, 77; Hamburger Feb. 1928, 1793; Cahn April 1929, 38; Lockett Coll., 350; Kress Oct. 1960, 1442; 1443.

Paris: 1.60 gr., 1.64 gr.; Berlin: 1.59 gr., 1.65 gr. (PLATE XXVII); ANS: 1.60 gr., 1.17 gr., 1.37 gr., 1.44 gr., 1.46 gr., 1.51 gr., 1.53 gr., 1.55 gr., 1.56 gr., 1.56 gr., 1.56 gr., 1.56 gr., 1.57 gr., 1.58 gr., 1.58 gr., 1.60 gr., 1.60 gr., 1.61 gr., 1.61 gr., 1.63 gr., 1.63 gr., 1.64 gr., 1.65 gr., 1.67 gr., 1.71 gr., 1.74 gr., 1.77 gr., 1.83 gr.; Blunt: 1.56 gr.; BM: (38-7-10-1173-Cuerdale) 1.69 gr., (1908-10-11-264) 1.37 gr.; Grierson: 1.61 gr.; The Hague: (Inv. 17573) 1.50 gr.; Munich: 1.63 gr.; Stuttgart: (2v8505) 1.62 gr.; Van Rede: (B1270) 1.61 gr.; Vienna: 1.57 gr.

Find: Bourgneuf; Bligny; Nourray; Etampes; Cuerdale; Vaux-de-Vire; Chalon-sur-Saône (1893); Glizy; Arras; Evreux; "ANS Find."

844. Same as foregoing. Obolus.

Prou 347.

Paris: 0.73 gr.; Berlin (PLATE XXVII); Grierson: 0.74 gr.

Find: Glizy.

845. *Obv.*: +CRATIAD-IR'EX. Karolus monogram.

Rev.: +SCIDIONVSI'IM. Cross. Denarius.

Prou 348.

Paris: 0.73 gr.

846. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +SCIDIONVMI. Cross. Obolus.
 Prou 349, 350.
 Paris: 0.56 gr., 0.65 gr.
847. *Obv.*: CRATIAC-IREX. Karolus monogram.
Rev.: +SCIDIONVM. Cross. Obolus.
 Prou 351 = Gariel XXXIV, 223; BMS 120.
 Paris: 0.54 gr.; Berlin: 0.82 gr.; ANS: 0.60 gr.; BM: (1902-10-4-11)
 0.49 gr.
Find: Compiègne (?); Assebrouck; Stamford; "ANS Find."

MEAUX

848. *Obv.*: +CARLVSRE+. Cross with one dot in each corner.
Rev.: XMEL+ DIS+. Temple, with a cross beneath. Denarius.
 Musée Frison: (A 90) 1.59 gr. (PLATE XXVII).
Find: Kimsward-Pingjum II.
849. *Obv.*: +CARLVSREX. Cross.
Rev.: +/MEL/•/DIS+ +. Denarius.
 Grierson: 1.60 gr.
850. *Obv.*: +CAROLSREX. Cross.
Rev.: + /MEL/•/DIS/ +. Denarius.
 Gariel L, 41 (Gariel Coll.).
 Kricheldorf Nov. 1960, 309.
 Berlin: 1.41 gr.
Find: Pilligerheck, 1.58 gr.
851. *Obv.*: +CRA'TI'A'DI'REX. Karolus monogram.
Rev.: +MELDISCI'VI'TAS. Cross. Denarius.
 Prou 366.
 Paris: 1.61 gr.
852. *Obv.*: +CRATIADIREX. Karolus monogram.
Rev.: MEL'DISCIVITAS. Cross. Obolus.
 Gariel XXXI, 146 (Cabinet de France, but not in Prou).
 Meyer Coll., 272.
Find: Compiègne (?); Glizy; Arras (?).
853. *Obv.*: +GR'A'TI'A'D-I'RE'X. Karolus monogram.
Rev.: +MEL'DIS'CI'VI'TAS. Cross. Denarius.
 Prou 362, 363; Gariel XXXI, 145 (Gariel Coll.).
 Hamburger Nov. 1912, 68; Cahn Dec. 1932, 1291; Kress Oct. 1960,
 1454; Blaser-Frey June 1963, 16.
 Paris: 1.47 gr., 1.73 gr.; Berlin: 1.59 gr. (PLATE XXVII); ANS: 1.54 gr.
 (Blaser-Frey), 1.60 gr., 1.75 gr., 1.76 gr. (CIV•TAS); Brussels: 1.67 gr.
Find: Etampes; Compiègne (?); Courbanton III; Glizy; "ANS Find."

854. *Obv.*: +GRA'TI'A'D-I'REX' Karolus monogram.

Rev.: +MEL'DIS'CI'VI'TAS' Cross. Denarius.

Prou 364.

Théry Coll., 460.

Paris: 1.70 gr.; Grierson: 1.79 gr. (var.).

855. Same as foregoing. Obolus.

Prou 365.

Paris: 0.85 gr. (PLATE XXVII).

CHELLES

856. *Obv.*: +CARLVSREXFR. Cross.

Rev.: +CALAMONAS. Karolus monogram. Denarius.

Gariel XII, 191.

Gariel Coll., 664; Meyer Coll., 113; Hess Lucerne July 1933, 88.

Berlin: 1.47 gr. (PLATE XXVIII).

Find: Dorestadt (1846).

857. *Obv.*: +GRATIAD-IREX. Karolus monogram.

Rev.: KA'L:A'MONASTERI. Cross. Denarius.

Prou 358 = Gariel XXVIII, 82.

Paris: 1.61 gr. (PLATE XXVIII); Berlin: 1.67 gr.; ANS: 1.68 gr. (KALAMONARE).

Find: "ANS Find."

858. *Obv.*: +CRATIAD-IREX. Karolus monogram.

Rev.: +KALAMONASTE. Cross. Obolus.

Gariel XXVIII, 83 (Gariel Coll.).

Gariel Coll., 926; Meyer Coll., 250; Bordeaux Coll., 253 (ex Meyer);

Théry Coll., 443.

Berlin: 0.72 gr., 0.77 gr. (PLATE XXVIII); ANS: 0.78 gr. (KALAMONACE).

Find: Glizy; "ANS Find."

859. *Obv.*: +CRTIAD-REX. Karolus monogram.

Rev.: +KLAMNTR. Cross. Denarius.

Gariel XXVIII, 84.

Berlin: 1.62 gr. (PLATE XXVIII).

Find: Etampes; Glizy.

860. *Obv.*: +CRTIAD-REX. Karolus monogram.

Rev.: +KLAMNTR. Cross. Obolus.

Gariel XXVIII, 85 (Gariel Coll.).

Gariel Coll., 928.

Paris: (358a) 0.77 gr.; Berlin: 0.77 gr.; Brussels: 0.82 gr.; Copenhagen: (K. P. 934) 0.77 gr.

Find: Glizy.

JOUARRE

861. *Obv.*: +GRATIAD-REX. Karolus monogram.
Rev.: +IOTRENSISM. Cross. Denarius.
 Prou 368; Gariel XXIX, 118 (Gariel Coll.).
 Gariel Coll., 949; Meyer Coll., 261; Bordeaux Coll., 258; Hamburger
 Nov. 1912, 64; Théry Coll., 452.
 Paris: 1.56 gr.; Berlin: 1.28 gr., 1.67 gr. (PLATE XXVIII); ANS: 1.61 gr.,
 1.76 gr. (IOTREMSIS MO).
Find: Bligny; "ANS Find."
862. *Obv.*: +CRATID-IREX. Karolus monogram.
Rev.: +IOTRENSISM. Cross. Denarius.
 Prou 369.
 Paris: 1.39 gr.
863. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +IOTRENSISINOI. Cross. Obolus.
 Gariel XXIX, 119 (Gariel Coll.).
 Gariel Coll., 950.
 Berlin: 0.81 gr. (PLATE XXVIII); ANS: 1.55 gr.
Find: Compiègne.

MELUN

864. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +CASTELLOMILED. Cross. Denarius.
 Prou 370, 371, 372; Gariel XXXI, 147 (Gariel Coll.).
 Cahn April 1929, 27; Schulman 1931, 122; Münzhandl. Basel Dec. 1935,
 21; Gans-Grunthal April 1951, 584; Théry Coll., 1963, 463.
 Paris: 1.69 gr., 1.69 gr., 1.52 gr.; Berlin: 1.46 gr., 1.63 gr. (PLATE XXVIII);
 ANS: 1.46 gr. (var. +CASTELMILIV), 1.58 gr.; Stuttgart: (2v8506) 1.64
 gr.
Find: Compiègne; Etampes.
865. *Obv.*: +CRIIITAID-E. Karolus monogram.
Rev.: +MILIDVNNDIEI. Cross. Obolus.
 Gariel XXXI, 148 (Gariel Coll.).
 Gariel Coll., 968.
 Berlin: 0.45 gr.

ROUEN

866. *Obv.*: +CRATRIREX. Karolus monogram.
Rev.: +ROTVIIACVSCV. Cross. Obolus.
 Prou 389.
 Paris: 0.48 gr.; Grierson: 0.81 gr., 0.53 gr. (var.).

867. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +ROTVICVSCIVI. Cross. Denarius.
 Gariel XXXIII, 209 (Gariel Coll.).
 Berlin: 1.36 gr. (PLATE XXVIII).
Find.: Arras.
868. *Obv.*: +CPATIADDEX. Karolus monogram.
Rev.: +ROTVHCVSCIVI. Cross. Obolus.
 Prou 384 = Gariel XXXIII, 211; *BMS* 121.
 Paris: 0.70 gr. BM: (1956-4-8-41-Lochett) 0.65 gr.
869. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +ROTVMACVSCIVI. Cross. Obolus.
 Gariel XXXIII, 210 (d'Estissac Coll.); *BMS* 122.
 Schulman 1931, 132; Helbing Dec. 1931, 831; Lockett Coll., 352; Kricheldorf May 1956, 351; Théry Coll., 476.
 Berlin: 0.56 gr., 0.56 gr., 0.67 gr., 0.67 gr. (PLATE XXVIII); ANS: 0.75 gr.; BM: (SSB-127-66) 0.76 gr.
870. *Obv.*: XCRATIADIREX. Karolus monogram.
Rev.: +ROTVNACVSCIVI. Cross. Denarius.
 Prou 386.
 Rousseau Coll., 452, 452bis, 470bis.; Cahn Dec. 1932, 1297.
 Paris: 1.63 gr.; ANS: 1.37 gr. (REIX); Copenhagen: (K. P. 366) 1.65 gr.
Find.: "ANS Find."
871. *Obv.*: +CPATIARIREX. Karolus monogram.
Rev.: +ROTVHACVSCIVII. Cross. Denarius.
 Prou 387.
 Paris: 1.40 gr.; ANS: 1.48 gr. (ROTVMASCIVIII), 1.66 gr. (CRAITADREX);
Find.: Etampes; Compiègne; Courbanton III; Glizy.
872. *Obv.*: +CPATIADIREX. Karolus monogram.
Rev.: +RCTVIIAOVSCIVIII. Cross. Denarius.
 Prou 388 = Gariel XXXIII, 212; Gariel XXXIII, 208 (Gariel Coll., var. +ROTVMACVSCIVIII).
 Paris: 1.68 gr., Berlin: 1.25 gr.
873. *Obv.*: +CRATIADIREX. Karolus monogram.
Rev.: +ROTVHACVSCII. Cross. Obolus.
 Prou 383.
 Paris: 0.60 gr.; Copenhagen: (K. P. 762, var. +ROTVNACVSCIV) 0.62 gr.; ANS: 0.62 gr. (GRATIADIREX, retrograde).
Find.: Etampes (?); Compiègne; "ANS Find."
874. *Obv.*: +CRATIADIR-EX. Karolus monogram.
Rev.: +ROTVHACVSCIVII. Cross. Denarius.

Prou 381.

Paris: 1.73 gr.; ANS: 1.40 gr., 1.54 gr., 1.85 gr., 1.86 gr.; Copenhagen: (T. 1251, var.) 1.37 gr.

875. *Obv.*: XCPATIADIREX. Karolus monogram.

Rev.: +ROTVHACVSCIVII. Cross. Denarius.

Prou 382.

Paris: 1.75 gr. (PLATE XXVIII); ANS: 1.37 gr., 1.37 gr., 1.39 gr., 1.39 gr., 1.48 gr., 1.48 gr., 1.50 gr., 1.54 gr., 1.55 gr., 1.57 gr., 1.61 gr.; Stuttgart: (IU-1950/13) 1.64 gr. (PLATE XXVIII); Van Rede: (B1268 var., +POTVI+ACVSCIVII) 1.57 gr.

Find: "ANS Find."

876. *Obv.*: +CRATIAD-IPEX. Karolus monogram.

Rev.: +ROTVIIACVSCIVII. Cross. Denarius.

Prou 385.

Paris: 1.44 gr.

877. *Obv.*: +CRATIAD-IREX. Karolus monogram.

Rev.: +ROTANISCIVITAS. Cross. Denarius.

Gariel XXXIII, 213 (Cabinet de France, but not in Prou).

878. *Obv.*: +CRATIAD-IREX. Karolus monogram.

Rev.: XROTVMACVSCIVII. Cross. Denarius.

Prou 378, 379; Gariel XXXIII, 205, 206 (Poey d'Avant), 207 (Gariel Coll.).

Hess April 1928, 3692. Cahn Dec. 1932, 1297; Lockett Coll., 349; Blaser-Frey June 1963, 24.

Paris: 1.66 gr., 1.60 gr.; Berlin: 1.37 gr., 1.55 gr., 1.70 gr. (PLATE XXVIII); ANS: 1.69 gr.; Blunt: 1.59 gr.; Brussels: 1.59 gr.; Grierson: 1.61 gr., 1.50 gr. (damaged).

Find: Laxfield; Bligny; Arras (?); Evreux (St-Taurin).

879. Same as foregoing. Obolus.

Grierson: 0.81 gr., 0.53 gr.; Stuttgart: (2v8090, var. +CRATIAD'IIREX), 0.62 gr.

Find: Bligny.

880. *Obv.*: +CPATIAD-IREX. Karolus monogram.

Rev.: +ROTVNACVSCIVII. Cross. Denarius.

Prou 380.

Schulman 1931, 131.

Paris: 1.69 gr.; ANS: 1.40 gr. (PLATE XXVIII), 1.49 gr. (obv. retrograde; rev. ROTVNACVSCIVIM, retrograde), 1.80 gr. (CRATIADIREX); Vienna: 1.75 gr.

Find: "ANS Find."

LE TALOU

881. *Obv.*: +CPATIADREX. Karolus monogram.

Rev.: +TALAVMONETA. Cross. Denarius.

Prou 396 = Gariel XXXV, 256; Gariel XXXV, 255 (Gariel Coll., var.).

Gariel Coll., 1040; Meyer Coll., 309; Hamburger Nov. 1912, 79.

Paris: 1.70 gr.; Berlin: (PLATE XXVIII); Paris; ANS: 1.53 gr. (DIREX), 1.73 gr.

Find.: Etampes; "ANS Find."

Neustria

EVREUX

882. *Obv.*: +GRATIAD-IREX. Karolus monogram.

Rev.: +EBROICASCIVITAS. Cross. Denarius.

Prou 397 = Gariel XXIX 108, 398 (var.); BMS 123.

Schulman 1931, 121; Kricheldorf May 1956, 344; Théry Coll., 449.

Paris: 1.64 gr., 1.74 gr.; ANS: 1.70 gr. (PLATE XXVIII); BM: (38-7-10-1174) 1.61 gr.

Find.: Compiègne; Courbanton III; Cuerdale.

883. *Obv.*: +CRATIAD-IREX. Karolus monogram.

Rev.: +EBROICASCIVITAS. Cross. Denarius.

Prou 389; Gariel XXIX, 107 (Gariel Coll.).

Gariel Coll., 942; Théry Coll., 450 (ex Bordeaux Coll., 256).

Paris: 1.51 gr.; Berlin: 1.53 gr. (PLATE XXIX); Grierson: 1.61 gr.

884. Same as foregoing. Obolus.

Gariel XXIX, 109 (Gariel Coll.).

Gariel Coll., 943.

Berlin: 0.53 gr. (PLATE XXIX).

LISIEUX

885. *Obv.*: +GRATIAD-IREX. Karolus monogram.

Rev.: +L'IXOVIVSCIVITA^XS. Cross. Denarius.

Prou 400 = Gariel XXX, 132.

Paris: 1.59 gr.; ANS: 1.73 gr. (LICSOVIVSCIVI) (PLATE XXIX).

Find.: "ANS Find."

886. *Obv.*: +GRATIAD-IREX. Karolus monogram.

Rev.: +HCSOVINVCIVIIT. Cross. Denarius.

Prou 401, 402; Gariel XXX, 133.

Rousseau Coll., 397; Meyer Coll., 268; Hamburger Nov. 1912, 67; Kress Oct. 1960, 1449; Théry Coll., 1963, 458, 459.

Paris: 1.79 gr., 1.56 gr.; Berlin: 1.61 gr.; ANS: 1.79 gr. (PLATE XXIX), 1.67 gr., 1.62 gr. (VINICIVIT); Grierson: 1.66 gr.; Hermitage: 1.61 gr.

Find.: Etampes; Compiègne (?); Courbanton II; Vaux-de-Vire; Issy-l'Evêque.

BAYEUX

887. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +HBAIIOCASCIVITAS. Cross. Denarius.
 Prou 403, 404 (var.); Gariel XXVI, 45 (Gariel Coll.); *BMS* 124.
 Rousseau Coll., 385; Hirsch Nov. 1958, 730; Bordeaux Coll., 250; Cahn
 April 1929, 21; Lockett Coll., 342; Blaser-Frey June 1963, 7; Théry
 Coll., 431, 432.
 Paris: 1.72 gr., 1.65 gr.; Berlin: 1.38 gr., 1.68 gr.; ANS: 1.80 gr. (PLATE
 XXIX), 1.58 gr., 1.64 gr., 1.58 gr., (CIVITA), 1.85 gr. (IBAIOCAS); BM:
 (1956-4-8-35-Lockett) 1.85 gr.; Copenhagen: (T. 1234) 1.55 gr.; Hermit-
 age: 1.70 gr.
Find.: Bourgneuf; Bligny; Nourray; Compiègne; Courbantou III;
 Chalon-sur-Saône (1893); Glizy; "ANS Find."
888. Same as foregoing. Obolus.
 Paris: (404b) 0.70 gr.
Find.: Etampes.
889. *Obv.*: +CIATIAD-IIEX. Karolus monogram.
Rev.: +IBAI◊CASCIVTS. Cross. Denarius.
 Prou 405; Gariel XXVI, 46.
 Paris: 1.53 gr. (PLATE XXIX).
Find.: Bligny; Vaux-de-Vire.
890. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +BAI◊CASMCIIVITAS. Cross. Denarius.
 Gariel XLI, 38 (Gariel Coll.), XXVI, 46 (d'Estissac Coll., var., +IBAI◊-
 CASCITAS.), 47 (Gariel Coll., var., +BAI◊CASMCIIVITAS.), 48 (Gariel
 Coll., var., +BAI◊CAMSCIVITAS.).
 Rousseau Coll., 386; Gariel Coll., 1141; Meyer Coll., 342; Hamburger
 Nov. 1912, 60; Hess Lucerne July 1933, 89.
 Berlin: 1.61 gr.; ANS: 1.47 gr. (var. as Gariel 48).
Find.: Bligny.

DEUX-JUMEUX

891. *Obv.*: +GRATIAD-REX. Karolus monogram.
Rev.: +DV◊SIEM-LLISMT. Cross. Denarius.
 Prou 406 = Gariel XXIX, 101.
 Meyer Coll., 254; Münz. u. Med. June 1951, 372; Kricheldorf May 1956,
 345; Kress Oct. 1960, 1444; Forged dies exist. Cf. P. Grierson, *ANS*
Cent. Publ., p. 313, 8.
 Paris: 1.64 gr.; ANS: 1.56 gr. (Kress specimen).
892. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +DV◊SIEMELLISM◊NT. Cross. Denarius.
 Théry Coll., 446 (ex Meyer).
Find.: Bourgneuf.

COUTANCES

893. *Obv.*: +CRATIAD-IREX. Karolus monogram.

Rev.: +FCVSTANCIEN. Cross. Denarius.

Prou 407 = Gariel XXIX, 99.

Paris: 1.66 gr. (PLATE XXIX).

894. *Obv.*: +CRATIAD-IREX. Karolus monogram.

Rev.: FCVSTENSISONEN. Cross. Denarius.

Prou 951 = Gariel XXIX, 100.

Paris: 1.67 gr.

"CURTISASSONIEN"

895. *Obv.*: +GRATIAD-IREX. Karolus monogram.

Rev.: +FCVRTISASONIEN. Cross. Denarius.

Prou 411; Gariel XXVIII, 94 (Gariel Coll.); *BMS* 125, 126.

Rousseau Coll., 394; Cahn Dec. 1932, 2249; Münzhandl. Basel Dec. 1935, 20; Kress Oct. 1960, 1477; Blaser-Frey June 1963, 12.

Paris: 1.69 gr., (413a) 1.40 gr.; Berlin: 1.48 gr., 1.52 gr.; ANS: 1.54 gr., 1.58 gr., 1.61 gr., 1.65 gr., 1.76 gr. (PLATE XXIX), 1.32 gr., 1.35 gr., 1.53 gr., 1.66 gr.; Blunt: 1.52 gr.; BM: (38-7-10-1172-Cuerdale) 1.73 gr., (60-10-19-3) 1.68 gr.; Bodleian/Ashmolean; Copenhagen: (K. P. p. 106) 1.62 gr.; The Hague: (632) 1.60 gr.; Hermitage: 1.67 gr., 1.63 gr.; Nelson: (53.114.1868); Oslo: 1.31 gr., 1.67 gr., 1.71 gr., 1.72 gr.; Vatican: 1.12 gr. *Find.*: Bligny; Etampes; Courbanton II; Courbanton III; Vaux-de-Vire; Glizy; Arras; Issy-l'Évêque; Cuerdale; Öland; "ANS Find."

896. Same as foregoing. Obolus.

Prou 412.

Paris: 0.85 gr.; Berlin: (PLATE XXIX); ANS: 0.62 gr.; Hermitage: 0.66 gr.

Find.: Etampes; "ANS Find."

897. *Obv.*: +GRATIAD-IREX. Karolus monogram.

Rev.: +FCVRTISASONIEN. Cross. Denarius.

Prou 408, 409, 410; *BMS* 127.

Kress Oct. 1960, 1441; Kress Dec. 1961, 661.

Paris: 1.47 gr., 1.69 gr., 1.73 gr.; BM: (1908-10-11-256) 1.56 gr.; Brussels: 1.44 gr., 1.51 gr.; Grierson: 1.69 gr., 1.58 gr., 1.48 gr., 1.35 gr., 1.32 gr.; The Hague: (Inv. 17576) 1.60 gr.; Hermitage: 1.60 gr.; Munich.

898. *Obv.*: +CRATIAID-IREX. Karolus monogram.

Rev.: +FCVRTISASONIEN. Cross. Denarius.

Prou 413, 414.

Paris: 1.65 gr., 1.64 gr.; ANS: 1.45 gr.; Grierson: 1.46 gr. (var.).

899. *Obv.*: +CRATIAIC-IREX. Karolus monogram.
Rev.: +ICVRTISASONIEH. Cross. Obolus.
 Prou 415.
 Paris: 0.63 gr.; Copenhagen: (T1241) 0.56 gr.; Vienna: 1.51 gr.
900. *Obv.*: +CRATIAD-IRIIEH. Karolus monogram.
Rev.: +ICVRTISASONIEH. Cross. Obolus.
 Gariel XXVIII, 96 (Gariel Coll.).
 Gariel Coll., 934; Meyer Coll., 253; Théry Coll., 445 (ex Meyer).
 Berlin: 0.69 gr.
901. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +CVRTISONIEH. Cross. Denarius.
 Prou 416; Gariel XXVIII, 95 (Glizy find).
 Paris: 1.52 gr.
Find: Glizy.
902. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +CVRTISASNIEH+. Cross. Denarius.
 ANS: 1.57 gr. (PLATE XXIX); Stuttgart: (II U. 1951/247) 1.60 gr.
903. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +CVRTISASONIEH. Cross. Denarius.
 Stuttgart: (2v8192) 1.45 gr.

MAYENNE

904. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +MEDENASVITCVSI. Cross. Denarius.
 Prou 419 = Gariel XXX, 140.
 Meyer Coll., 269.
 Paris: 1.49 gr. (PLATE XXIX).

LE MANS

905. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +CINOMANISCIVITAS. Cross. Denarius.
 Prou 420, 421, 422; Gariel XXX, 129 (Gariel Coll.); BMS 128-133.
 Rousseau Coll., 391, 392, 464, 464bis, 465; Cahn April 1929, 23; Cahn
 Dec. 1932, 1289; Cahn 1934, 2250; Lockett Coll., 344; Kress Oct. 1960,
 1451; 1452, 1453; Blaser-Frey June 1963, 15.
 Paris: 1.67 gr., 1.66 gr., 1.73 gr., (419a) 1.75 gr., (419b) 1.75 gr., (420a)
 1.65 gr., (420b) 1.40 gr., (423a) 1.75 gr., (423b) 1.70 gr., (425a) 1.75 gr.,
 (427a) 1.20 gr.; Berlin: 1.55 gr., 1.76 gr., 1.79 gr. (PLATE XXIX); ANS:
 1.75 gr.; BM: (38-7-10-1168-Cuerdale) 1.77 gr., (38-7-10-1170-Cuer-
 dale) 1.79 gr., (48-2-12-337E) 1.79 gr., (57-9-1-32-IGP) 1.76 gr., (1906-

11-3-3179) 1.74 gr., (1908-10-11-257) 1.72 gr.; Brussels: 1.73 gr., 1.77 gr.; Copenhagen: (Bytteprot. p. 86) 1.76 gr.; Garrett: (6135) 1.77 gr.; Grierson: 1.70 gr., 1.69 gr.; The Hague: (Inv. 17577) 1.70 gr.; Hannover: (Inv. 1961...) 1.64 gr.; Hermitage: 1.42 gr., 1.79 gr.; Munich: 1.59 gr., 1.74 gr., 1.76 gr.; Nelson: (53.114.1869); Oslo: 1.76 gr., 1.80 gr., and one additional exemplar, unweighed; Van Rede: (B1255) 1.58 gr.; Vienna: 1.67 gr., 1.75 gr., 1.75 gr.

Find: Bourgneuf; Bligny; Etampes; Compiègne; Courbantou II; Courbantou III; Vaux-de-Vire; Arras; Chalon-sur-Saône (1893); Issy-l'Évêque; Bonnevaux; Evreux; Evreux (St-Taurin); Cuerdale; Savigné-sous-le-Lude; Bruères (?); Jaeren.

The presence of this type in the finds of Evreux, Cuerdale, Savigné-sous-le-Lude, and Bruères indicates that it was struck by Charles the Simple as well as by Charles the Bald.

906. *Obv.*: CRATIAD-IREX. Karolus monogram.

Rev.: +CIN◊MANISCIVITAS. Cross with one dot in each of two diagonal corners. Denarius.

Prou 423.

Paris: 1.28 gr.; Copenhagen: (Cuerdale find) 1.20 gr. (damaged).

Find: Cuerdale; Savigné-sous-le-Lude.

907. *Obv.*: +GRATIAD-IREX. Karolus monogram.

Rev.: +CIN◊MANISCIVI. Cross. Obolus.

Prou 424; Gariel XXX, 130 (Gariel Coll.); BMS 134.

Rousseau Coll., 393; Gariel Coll., 961; Meyer Coll., 267; Théry Coll., 457.

Paris: 0.83 gr.; Berlin: 0.76 gr., 0.91 gr. (PLATE XXIX); Blunt: 0.82 gr.;

BM: (38-7-10-1171-Cuerdale) 0.87 gr.

Find: Cuerdale.

908. *Obv.*: +CRATIAD-IREX. Karolus monogram.

Rev.: +CIN◊MANISCIVITAS. Cross. Denarius.

Prou 425.

Cahn Sept. 1932, 1304.

Paris: 1.44 gr.; ANS: 1.68 gr. (PLATE XXIX); Bodleian/Ashmolean (two exemplars); Stuttgart: (2v8507) 1.72 gr.

Find: Glizy; Savigné-sous-le-Lude.

909. *Obv.*: +CRATIAD-IREX. Karolus monogram.

Rev.: +CIN◊MAINSCIVITAS. Cross. Denarius.

Prou 426.

Hirsch Nov. 1958, 731.

Paris: 1.76 gr.; Blunt: 1.68 gr.; Hermitage: 1.66 gr.

Find: Cuerdale.

910. *Obv.*: +CRATIAD-IREX. Karolus monogram.

Rev.: +CIN◊IIANISCIVITAS. Cross. Denarius.

Prou 427; *BMS* 135-138.
 Cahn Dec. 1922, 523, 1.80 gr.
 Paris: 1.65 gr.; BM: (38-7-10-1169-Cuerdale) 1.67 gr., (SSB-127-53) 1.63 gr., (79-7-10-3) 1.50 gr., (1915-5-7-327-Morgan [Evans]) 1.74 gr.
Find: Cuerdale.

911. *Obv.*: GRATIAD-IREX. Temple.
Rev.: +CINOMANISCIVITAS. Cross. Denarius.
 Prou 428; Gariel L, 36 (Gemain Coll.).
 Paris: 1.25 gr.

ANGERS

912. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +ANDEGAVISCIVITAS. Cross. Denarius.
 Prou 429, 430, 431; *BMS* 139-141.
 Paris: 1.72 gr., 1.61 gr., 1.63 gr.; Berlin: (PLATE XXIX); ANS: 1.41 gr., 1.52 gr.; Bodleian/Ashmolean; BM: (38-7-10-1156-Cuerdale) 1.56 gr., (38-7-10-1155-Cuerdale) 1.72 gr., (54-3-23-2) 1.46 gr.; Brussels: 1.47 gr., 1.62 gr.; Copenhagen: (K. P. 155) 1.55 gr.; Grierson: 1.50 gr.; Munich: 1.53 gr.; Oslo: 1.36 gr.
Find: Etampes; Glizy; Vaux-de-Vire; Saumur; Cuerdale; Evreux.
913. *Obv.*: +GRAOTIAD-IOREX. Karolus monogram.
Rev.: +ANDEC'AVISCIVITAS'. Cross. Denarius.
 Gariel XLVI, 2 (Cuerdale find).
Find: Cuerdale.

TOURS

914. *Obv.*: Karolus monogram in field.
Rev.: +TVRONIS. Cross. Obolus.
 Gariel XXIV, 83 (Gariel Coll.).
 Gariel Coll., 860.
 Berlin: 0.77 gr.
915. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +HTVRONESCIVITAS. Cross. Denarius.
 Prou 449; *BMS* 142.
 Rousseau Coll., 379, 380, 515; Hamburger Nov. 1912, 80; Helbing Dec. 1917, 11; Hamburger Sept. 1926, 12; Cahn Dec. 1932, 1300; Cahn 1934, 2255; Münzhandl. Basel Oct. 1936, 315.
 Paris: 1.76 gr., (449a) 1.75 gr., (449b) 1.75 gr., (450a) 1.55 gr., (451a) 1.80 gr.; Berlin: (PLATE XXX); ANS: 1.52 gr.; BM: (38-7-10-1185-Cuerdale fragment) 1.04 gr.
Find: Cuerdale; Savigné-sous-le-Lude.

916. *Obv.*: +GRATIAD-IREX. Karolus monogram.

Rev.: +TVR \Diamond NECIVITAS. Cross. Denarius.

Prou 450, 451; Gariel XXXVI, 267 (Gariel Coll.).

Paris: 1.58 gr., 1.54 gr.; Berlin: 1.46 gr., 1.57 gr.; ANS: 1.57 gr., 1.70 gr.; Blunt: 1.68 gr.; Copenhagen (T. 1253) 1.49 gr., (K. P. p. 146, var. +TVRONGSCIVITS) 1.77 gr. (PLATE XXX); Grierson: 1.76 gr.; Hermitage: 1.56 gr.

Find: Nourray; Etampes; Courbanton II; Courbanton III; Glizy; Savigné-sous-le-Lude; Saumur (?); "ANS Find."

The presence of this type in the finds of Savigné-sous-le-Lude and Saumur indicates that it was struck by Charles the Simple as well as by Charles the Bald.

917. *Obv.*: +CRATIAID-IREX. Karolus monogram.

Rev.: +TVR \Diamond NECIVITAS. Cross. Denarius.

Prou 452; BMS 143.

Paris: 1.45 gr.; BM: (1908-10-11-265-Lincoln) 1.49 gr.; Brussels: 1.52 gr., 1.52 gr.

Find: Evreux; Savigné-sous-le-Lude.

918. *Obv.*: +GRATIAD"IREX. Karolus monogram.

Rev.: +TAI \Diamond NECIVITAS. Cross. Denarius.

Gariel XXXVI, 268 (Gariel Coll.).

ST-MARTIN (TOURS)

919. *Obv.*: +CARLVSEX. Cross with one dot in each corner.

Rev.: SCIMARTINIMONETA. Temple. Denarius.

Copenhagen: (K. P. 1441) 1.22 gr.

920. *Obv.*: CARLVSEX. Temple.

Rev.: +SCIMARTINIMONETA. Cross with one dot in each corner. Denarius.

Prou 441; Gariel XXI, 17 (Brussels), 18 (var., +SCIMARTINIMONETA). Gariel Coll., 805; Meyer Coll., 202; Bordeaux Coll., 349; Motte Coll., 132; Hess 1901, 1794.

Paris: 1.56 gr.; Berlin: 1.69 gr. (PLATE XXX); ANS: 1.43 gr. (var. +SCIMATINIMONET); Brussels: 1.66 gr.; Garrett: (6136) 1.49 gr.; Grierson: 1.55 gr.; Vatican: 1.41 gr.

Find: Zelzate; Pilligerheck, 1.21 gr., 1.40 gr., 1.49 gr., 1.56 gr.

921. *Obv.*: CARLVSEX. Temple.

Rev.: +SCIMARTINIMONITA. Cross with one dot in each corner. Denarius.

Prou 442.

Paris: 1.37 gr.

CHINON

922. *Obv.*: +CRATIAD-REX. Karolus monogram.
Rev.: +CINONISCIVIS. Cross. Denarius.
 Gariel XXVII, 70 (Gariel Coll.).
 Berlin: 1.40 gr.
Find.: Nourray; Coudre (?).

BLOIS

923. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +BLESIANISCASTRØ. Cross. Denarius.
 Prou 471, 472; *BMS* 144-147.
 Paris: 1.70 gr., 1.71 gr., (472a) 1.70 gr., (473a) 1.65 gr., (473b) 1.75 gr., (475) 1.75 gr., (475a) 1.65 gr., (475b) 1.70 gr., (479b) 1.85 gr.; Berlin: 1.65 gr., 1.72 gr., 1.77 gr. (PLATE XXX); ANS: 1.58 gr.; Blunt: 1.57 gr.; BM: (38-7-10-1161-Cuerdale) 1.64 gr., (38-7-10-1162-Cuerdale) 1.74 gr., (1908-10-11-254) 1.68 gr.; (1956-4-8-34) 1.65 gr.; Brussels: 1.78 gr.; Copenhagen: (Rollin 1652) 1.72 gr.; Stuttgart: (2v8427) 1.59 gr.; Van Rede: (B1250) 1.64 gr.
Find.: Etampes; Courbanton III; Roches-l'Evêque; Savigné-sous-le-Lude; Bonnevaux; Evreux; Evreux (St-Taurin); Cuerdale.
924. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +BLESIANISCASTRØ. Cross. Obolus.
 Gariel XXVII, 53 (Gariel Coll.).
 Berlin: 0.54 gr.
Find.: Roches-l'Evêque.
925. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +BESIANISCASTRØ. Cross. Denarius.
 Prou 487 = Gariel XXVII, 52.
 Hamburger Nov. 1912, 61; Hess April 1928, 2686; Cahn Sept. 1932, 1302; Hess Lucerne July 1933, 90; Kress Oct. 1960, 1432.
 Paris: 1.69 gr.
926. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +BIESIANISCASTRØ. Cross with one dot in each of two diagonal corners. Denarius.
 Prou 478 = Gariel XLIX, 14.
 Hamburger Feb. 1928, 1802.
 Paris: 1.55 gr.; ANS: 1.57 gr. (D-REX).
Find.: Vaux-de-Vire; "ANS Find."
927. *Obv.*: +GRATIADØIREX. Karolus monogram.
Rev.: +BIESIANISCASTRØ. Cross. Denarius.

Prou 479.
 Cahn Oct. 1929, 901.
 Paris: 1.75 gr.; Brussels: 1.73 gr.
Find: Courbanton II; Arras.

928. *Obv.*: +GRATIAD-IREX. Karolus monogram.

Rev.: +BIESIANISCASTR◊. Cross. Denarius.

Prou 473, 474, 475.
 Rousseau Coll., 466; Helbing April 1913, 1821; Cahn Dec. 1932, 1285.
 Paris: 1.55 gr., 1.71 gr., 1.55 gr.; Berlin: (PLATE XXX); ANS: 1.39 gr.;
 Grierson: 1.71 gr., 1.75 gr.; Hermitage: 1.61 gr.; Van Rede: (B1249)
 1.48 gr.
Find: Courbanton II; Savigné-sous-le-Lude.
 The presence of this type in the find of Savigné-sous-le-Lude indicates
 that it was struck by Charles the Simple as well as by Charles the Bald.

929. *Obv.*: +GRATIAD-IREX. Karolus monogram.

Rev.: +BIESIANISCASTR◊. Cross. Obolus.

Prou 476; Gariel XLIX, 15 (Evreux find).
 Gariel Coll., 905, 1208; Meyer Coll., 241; Cahn March 1926, 42.
 Paris: 0.61 gr.; ANS: 0.87 gr. (PLATE XXX).
Find: Courbanton II; Evreux (St-Taurin).

930. *Obv.*: +GRATIAD-IREX. Karolus monogram.

Rev.: +HBLESIANISCASTR◊. Cross. Denarius.

Prou 477.
 Paris: 1.49 gr.; Copenhagen: (T. 1235 var.) 1.74 gr. (damaged).

CHARTRES

931. *Obv.*: +CARLVSREX. Cross with one dot in each corner.

Rev.: +CARHOTIS. City gate. Denarius.

Gariel XXI, 5 (sketch from Barthélemy).
 ANS: 1.08 gr. (damaged) (PLATE XXX).
Find: Pilligerheck, 1.56 gr.

932. *Obv.*: +CARLVSREXFR°. Cross with one dot in each corner.

Rev.: CARNOTISCIVITAS. Temple. Denarius.

Prou 490; Gariel XXI, 4 (var., +CARLVSREXFR).
 Gariel Coll., 797.
 Paris: 1.43 gr.; Berlin: 1.39 gr. (PLATE XXX); The Hague: (Inv. 17584)
 1.10 gr. (CARLVSREXFR).
Find: Midlaren; Etréchy.

933. *Obv.*: +GRATIAD-IREX. Karolus monogram.

Rev.: +CARNOTISCIVITAS. Cross. Denarius.

Gariel XXVII, 71, XXVIII, 73 (Gariel Coll.).
 Rousseau Coll., 388, 389; Kress Oct. 1960, 1436.

Berlin: 1.41 gr., 1.57 gr.; ANS: 1.47 gr., 1.67 gr.; Holmes: 1.67 gr.
Find: Etampes; Compiègne; Courbanton II; Courbanton III; Glizy; Evreux; "ANS Find."

934. Same as foregoing. Obolus.

Prou 496; Gariel XXVIII, 74 (Gariel Coll.).
 Gariel Coll., 92; Meyer Coll., 246; Bordeaux Coll., 252.
 Paris: 0.70 gr.

935. *Obv.*: +GRATIAD-IREX. Karolus monogram.

Rev.: +CARHOTISCIVITAS. Cross. Denarius.

Prou 491, 493, 494, 495; *BMS.* 148, 149.
 Cahn Dec. 1932, 1286; Cahn 1934, 2248; Münzhandl. Basel Oct. 1936, 311.
 Paris: 1.81 gr., 1.58 gr., 1.74 gr., 1.74 gr., 1.75 gr.; ANS: 1.57 gr., 1.69 gr.; Berlin: (PLATE XXX); Copenhagen: (K. P. p. 140) 1.35 gr.; BM: (38-7-10-1167-Cuerdale) 1.76 gr., (SSB-127-53) 1.70 gr.; Grierson: 1.30 gr. (damaged); Hermitage: 1.70 gr.; Van Rede: (B1253) 1.64 gr.
Find: Cuerdale; "ANS Find."

936. *Obv.*: +GRATIAD-IREX. Karolus monogram.

Rev.: +CARHOTISCIVITÄ. Cross. Denarius.

Prou 492; Gariel XXVII, 72 (Glizy find).
 Paris: 1.71 gr.; Berlin: 1.76 gr. (PLATE XXX); Copenhagen: (T. 1238, var.) 1.42 gr.; Grierson: 1.74 gr. (var.); Vienna: 1.70 gr.
Find: Glizy; Arras; Evreux.
 The presence of this type in the finds of Evreux and Cuerdale indicates that this type was struck by Charles the Simple as well as by Charles the Bald.

937. *Obv.*: +GRATIAD-IREX. Karolus monogram.

Rev.: +CARNOTISCIVITAS. Cross. Denarius.

Prou 498.
 Paris: 1.53 gr.; ANS: 1.51 gr.; Hermitage: 1.72 gr.
Find: Vaux-de-Vire; "ANS Find."

938. *Obv.*: +GRATIAD-IREX. Karolus monogram.

Rev.: +CARNOTISCIVITA. Cross. Denarius.

Prou 499.
 Paris: 1.57 gr.; Brussels: 1.56 gr.

CHATEAUDUN

939. *Obv.*: +GRATIAD-IREX. Karolus monogram.

Rev.: +DVNI2CA2TIRI0I. Cross. Denarius.

Gariel L, 26 (Gariel Coll.).
 Gariel Coll., 1213.
 ANS: 1.35 gr.

940. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +DVNISCATLL◊. Cross. Denarius.
 Prou 502.
 Paris: 1.55 gr.
941. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +DVN◊CASTER◊. Cross. Obolus.
 Prou 501; Gariel XXVIII, 77 (Gariel Coll.).
 Paris: 0.67 gr.
942. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +DVNISCATEL◊I. Cross. Denarius.
 Gariel XXVIII, 75 (Gariel Coll.).
 Gariel Coll., 422; Meyer Coll., 247; Kress Oct. 1960, 1438.
 Berlin: 1.34 gr. (PLATE XXX); ANS: 1.41 gr., 1.46 gr.
Find: Evreux (St. Taurin).
943. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +DVNISCATEL◊I. Cross. Obolus.
 Prou 503; Gariel XXVIII, 76 (Gariel Coll.).
 Paris: 0.76 gr. (PLATE XXX).
Find: Courbanton II; Courbanton III.

ORLÉANS

944. *Obv.*: +CARLVSREXFR. Cross with one dot in each corner.
Rev.: AVRELIANIS. City gate with +• beneath. Denarius.
 Prou 508-512; Gariel XXI, 11 (Achlum find); *BMS* 150.
 Gariel Coll., 802; Meyer Coll., 198; Cahn Dec. 1932, 1274; Kress Oct. 1960, 1463.
 Paris: 1.21 gr., 1.52 gr., 1.53 gr., 1.69 gr., 1.36 gr.; Berlin: 1.50 gr.; ANS: 1.19 gr. (damaged); Assen Museum: (M1872-1) 1.44 gr., (M1872-25f) 1.48 gr.; BM: (1917-12-5-41-L. A. Lawrence pres.) 1.24 gr.; Brussels: (Inv. 109) 1.12 gr. (var., with only + beneath the gate), 1.59 gr. (PLATE XXX, slightly enlarged); Copenhagen: (K. P. 727) 1.70 gr.; Grierson: 1.59 gr., 1.53 gr., 1.37 gr.; The Hague: (Inv. 17588) 1.05 gr., (Inv. 17589) 1.12 gr. (var., with one dot at each side of the gate, and a third dot in the center of the gate), (Inv. 17587) 1.52 gr., (Inv. 17590) 1.60 gr.; Yale: 1.56 gr.
Find: Oudwoude, 1.36 gr.; Achlum; Cosne; Wagenbogen; Pilligerheck, 1.45 gr., 1.53 gr., 1.57 gr., 1.65 gr.; Emmen; Etréchy; Marsum.
945. *Obv.*: +CARLVSREXFR. Cross with one dot in each corner.
Rev.: +AVRELIANIS. Temple.
 Prou 514; Gariel XXI, 9 (Gariel Coll.). Prou 513 and Gariel XXI, 10 (Gariel Coll.) vary in the elongated cross atop the temple and in the exaggerated initial X of the rev. inscription (XAVRELIANIS).

- Cahn April 1912, 13; Riechman Nov. 1924, 30; Schulman 1931, 105; Kress Oct. 1960, 1462.
 Paris: 1.71 gr., 1.55 gr.; Berlin: 1.59 gr., 1.61 gr. (PLATE XXX); ANS: 1.35 gr.; Assen Museum: (M1872-1 b) 1.34 gr.; Brussels: (Inv. 110) 1.45 gr.; Copenhagen: (K. P. 1441) 1.25 gr.
Find: Zelzate; Ide 1.66 gr.; Pilligerheck, 1.27 gr., 1.34 gr., 1.44 gr., 1.57 gr., 1.61 gr., 1.66 gr., 1.70 gr.; Emmen; Rahlingen; Chamoux-Marcilly, 1.45 gr.
946. *Obv.*: +CARLVSRE+LR. Karolus monogram.
Rev.: +AVRELIANIS. Cross. Denarius.
 The Hague: (Inv. 17585) 1.60 gr.
947. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +AVREL'ANISCIVITAS. Cross. Denarius.
 Gariel XXXI, 165 (Gariel Coll.).
 Alfred R. Bellinger: 1.76 gr. (PLATE XXXI); Stuttgart: (2v8427) 1.37 gr. (var. +AVRRELIISCIVI-AS), (2v8193) 1.70 gr.
948. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +AVRELIANISCIVITAS. Cross. Denarius.
 Prou 516-518; Prou 515 = Gariel XXXI, 164; *BMS* 151, 152.
 Rousseau Coll., 384, 461, 462; Helbing Dec. 1917, 9; Riechman Nov. 1924, 29; Cahn Oct. 1929, 902; Cahn Dec. 1932, 1292; Cahn Dec. 1935, 23; Kress Oct. 1960, 1461; Blaser-Frey June 1963, 17.
 Paris: 1.84 gr., 1.75 gr., 1.67 gr., 1.75 gr., (514a) 1.70 gr., (515a) 1.75 gr., (517a) 1.70 gr., (517b) 1.75 gr., (517c) 1.80 gr., (521a) 1.70 gr., (521b-h) 1.55 gr., 1.75 gr., 1.75 gr., 1.70 gr., 1.80 gr., 1.65 gr.; Berlin: 1.49 gr., 1.55 gr., 1.72 gr.; ANS: 1.65 gr., 1.55 gr., 1.55 gr., 1.73 gr., 1.74 gr., 1.81 gr., 1.81 gr., 1.81 gr. (AVRELIANS); Blunt: 1.78 gr.; Bodleian/Ashmolean; BM: (60-10-19-13) 1.74 gr., (38-7-10-1159-Cuerdale) 1.80 gr., (38-7-10-1160-Cuerdale) 1.24 gr.; Copenhagen: (T. 1233) 1.40 gr., (Rollin, 1852) 1.77 gr., (T. 1232) 1.78 gr.; Grierson: 1.79 gr., 1.78 gr., 1.77 gr., 1.22 gr. (damaged); The Hague: (Inv. 17586) 1.10 gr., (631) 1.70 gr.; Hermitage: 1.49 gr., 1.67 gr.; Munich: 1.75 gr., 1.84 gr.; Nelson: (53.114.1854); Oslo: 1.59 gr.; Van Rede: (B1263) 1.82 gr.; Vienna: 1.57 gr.
Find: Bligny; Nourray; Etampes; Courbanton II; Courbanton III; Chalon-sur-Saône (1893); Glizy; Arras; Roches-l'Evêque; Savigné-sous-le-Lude; Evreux; Evreux (St-Taurin); Saumur; Cuerdale; "ANS Find."
 The presence of this type in the last six of the above named finds indicates that it was struck by Charles the Simple as well as by Charles the Bald.
949. *Obv.*: +GRATIAD-IREX (retrograde). Karolus monogram.
Rev.: +AVRELIANISCIVITS. Cross. Obolus.
 Prou 519, 520 (var., *obv.* legend not retrograde); Gariel XXXI, 166 (Gariel Coll.); *BMS* 153.
 Schulman Pricelist 1931, 125; Kress Oct. 1960, 1463a.

Paris: 0.88 gr., 0.92 gr.; Berlin: 0.79 gr. (PLATE XXX); ANS: 0.73 gr. (var., obv. inscription retrograde and inverted), 0.72 gr.; Copenhagen: (K. P. 928) 0.57 gr. (var. +AVRELIANISCI); Grierson: 0.85 gr. (var.).
Find: Glizy; "ANS Find."

950. *Obv.*: +GRAIT-AD-IREX (retrograde). Karolus monogram.
Rev.: +AVRELIANISCIVITS. Cross. Obolus.
 Gariel XXXI, 167 (Gariel Coll.).

CHATEAU-LANDON

951. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +CASTISNANDONIS. Cross. Denarius.
 Prou 531-534; Gariel XXVIII, 80 (Gariel Coll.).
 Münz. u. Med. June 1951, 370; Kricheldorf May 1956, 3343; Kress Oct. 1960, 1439; Théry Coll., 441.
 Paris: 1.85 gr., 1.84 gr., 1.68 gr., 1.36 gr.; Berlin: 1.41 gr., 1.67 gr., 1.78 gr. (PLATE XXXI); ANS: 1.79 gr.
Find: Etampes; Compiègne; Courbanton III; Glizy; Arras.
952. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +I-CASTISNANDONIS. Cross. Denarius.
 Prou 535.
 Paris: 1.74 gr.
953. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +CASTISNANDOIS. Cross. Denarius.
 Gariel XXVIII, 79 (Gariel Coll.).
 Gariel Coll., 923.

TROYES

954. *Obv.*: +CRATIAD-REX. Karolus monogram.
Rev.: +TRECASCIVITAS. Cross. Denarius.
 Prou 543; Gariel XXXVI 271 (Gariel Coll.).
 Théry Coll., 495.
 Paris: 1.83 gr.; ANS: 1.75 gr.; Grierson: 1.55 gr. (var.).
Find: Bourgneuf; Bligny; Compiègne; Chalon-sur-Saône (1893); Glizy; Kamien Pomorski.
955. *Obv.*: +CRATIAD-IREIX. Karolus monogram.
Rev.: +TRECASCIVITAS. Cross. Denarius.
 Prou 544.
 Paris: 1.47 gr.
956. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +TRECASCIVITAS. Cross. Denarius.

Prou 547.

Paris: 1.34 gr.; ANS: 1.68 gr., 1.77 gr.

Find: "ANS Find."

957. *Obv.*: +SPATIAD-IREX. Karolus monogram.

Rev.: +CIVITASTPECAS. Cross, with one dot in each of two diagonal corners. Denarius.

Prou 546 = Gariel XXXVI, 272.

Paris: 1.82 gr. (PLATE XXXI); Berlin: 1.68 gr., 1.68 gr.

Find: Bourgneuf; Courbanton III.

BAR-SUR-AUBE

958. *Obv.*: +GRATIAD-IREX. Karolus monogram.

Rev.: +BARRISIICA. Cross. Denarius.

Prou 551 = Gariel XXVI, 41.

Paris: 1.70 gr. (PLATE XXXI); Berlin: 1.44 gr.

959. *Obv.*: +GRATIAD-IREX. Karolus monogram.

Rev.: +BARRISIICASTEL. Cross. Denarius.

Prou 552 = Gariel XXVI, 34.

Paris: 1.50 gr. (PLATE XXXI).

960. *Obv.*: +CRATIAD-IREX. Karolus monogram.

Rev.: +BARRISCATER. Cross. Denarius.

Prou 561; Gariel XXVI, 42 (Gariel Coll.).

Paris: 1.69 gr.

961. *Obv.*: +CRATIAD-IREX. Karolus monogram.

Rev.: +I-BAROCATEL. Cross. Denarius.

Prou 559; Gariel XXVI, 43.

Paris: 1.37 gr.

962. *Obv.*: +CRATIAD-IREX. Karolus monogram.

Rev.: +I-BAROCATEL. Cross. Denarius.

Prou 560; Gariel XXVI, 32.

Paris: 1.56 gr.

963. *Obv.*: +CRATIAD-IREX. Karolus monogram.

Rev.: +I-BAROCATEL. Cross. Denarius.

Gariel XXVI, 36 (d'Estissac Coll.).

Théry Coll., 430.

Find: Bligny.

964. *Obv.*: +CRATIAD-RE. Karolus monogram.

Rev.: +I-BAROCATE. Cross. Denarius.

Gariel XXVI, 30 (d'Estissac Coll.).

ANS: 1.55 gr. (PLATE XXXI).

Find: Bligny.

965. *Obv.*: +CRACIAD...REX. Karolus monogram.
Rev.: +HBARCASTELS. Cross. Denarius.
 Prou 562; Gariel XXVI, 29 (Glizy find).
 Gariel Coll., 894; Théry Coll., 429.
 Paris: 1.30 gr.
Find: Glizy.
966. *Obv.*: +SVPINIRYBREX. Cross.
Rev.: +HBARCASTEL. Karolus monogram. Obolus.
 Prou 563.
 Paris: 0.64 gr. (PLATE XXXI).
967. *Obv.*: +GRATIAD-IREIX. Karolus monogram.
Rev.: +CASTELBARS. Cross. Denarius.
 Prou 553 = Gariel XXVI, 44.
 Paris: 1.64 gr. (PLATE XXXI).
968. *Obv.*: +CPATIAD-PEX. Karolus monogram.
Rev.: +CASTLBARIS. Cross with one dot in each of two diagonal corners. Denarius.
 Prou 558; Gariel XXVI, 31 (Gariel Coll.).
 Gariel Coll., 895.
 Paris: 1.81 gr.; Berlin: 1.51 gr.
969. *Obv.*: +CRATIADEISSEX. Karolus monogram.
Rev.: +I-CASTELIBARIS. Cross. Denarius.
 Prou 556, 457; Gariel XXVI, 39 (Meyer Coll., ex d'Estissac Coll.), 40.
 Meyer Coll., 238.
 Paris: 1.34 gr., 1.43 gr.
Find: Bligny.
970. *Obv.*: +CRATIADEIREX. Karolus monogram.
Rev.: +I-CA::STEL::IBA::RS. Cross. Denarius.
 Prou 554; Gariel XXVI, 38 (d'Estissac Coll.).
 Paris: 1.37 gr.
Find: Bligny.
971. *Obv.*: +CRATIADEISREX. Karolus monogram.
Rev.: +CA::STEL::IBA::RIS. Cross. Denarius.
 Prou 555; Gariel XXVI, 37 (var., +I-CA::STEL::IBA::RIS).
 Paris: 1.50 gr.
Find: Bligny.
972. *Obv.*: +CRATIAN-REX. Karolus monogram.
Rev.: +CASTBARRIS. Cross. Obolus.
 Gariel XXVI, 33 (Gariel Coll.).
 Gariel Coll., 896.
 Berlin: 0.77 gr.
Find: Bligny; Compiègne (?).

973. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +CASTLBARISI. Cross with one dot in each of two diagonal corners. Denarius.
Find: Bourgneuf.
974. *Obv.*: +CRATIADREX. Karolus monogram.
Rev.: +CASTBARRISI. Cross. Obolus.
 Gariel XXVI, 35 (d'Estissac Coll.).

LEMONT LASSOIS

975. *Obv.*: +CRATIAD-REX. Karolus monogram.
Rev.: +CASTELLATS. Cross. Denarius.
 Prou 564.
 Kress Nov. 1966, 1471.
 Paris: 1.53 gr. (PLATE XXXI).
976. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +LATISIOCASTE. Cross. Denarius.
 Gariel XXIX, 120 (Gariel Coll.).
 Gariel Coll., 951.
 Berlin: 1.59 gr. (PLATE XXXI); ANS: 1.59 gr. (LATISIICASTEI).
Find: "ANS Find."
977. *Obv.*: +CRATIAD-REX. Karolus monogram.
Rev.: +CASTRELATSS. Cross. Denarius.
 Gariel XXX, 121 (Gariel Coll.), 123 (d'Estissac Coll.).
 Gariel Coll., 952; Meyer Coll., 262; Schulman June 1939, 484; Kricheldorf May 1956, 346; Kress Oct. 1960, 1448a.
 Paris: (564a) 1.50 gr.; ANS: 1.59 gr. (CASTERLATTS), 1.50 gr., 1.56 gr.
Find: Bligny; "ANS Find."
978. *Obv.*: +CRATIADIREX. Karolus monogram.
Rev.: +CASTRELATSI. Cross. Denarius.
 Gariel XXX, 122 (Gariel Coll.).
 Théry Coll., 453 (ex Bordeaux, 259).
 Berlin: 1.68 gr. (PLATE XXXI).
Find: Bourgneuf; Compiègne (?); Arras.
979. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +LATISIOCASTE. Cross. Denarius.
Find: Arras.

SENS

980. *Obv.*: +TEMPVSCARLVSRX. Cross with one dot in each corner.
Rev.: SENONESCIVITAS. Temple. Denarius.

Prou 571, 572; Gariel XXI, 21.

Meyer Coll., 204; Cahn Dec. 1932, 1275; Kricheldorf June 1961, 330.

ANS: 1.74 gr.

Find: "ANS Find."

981. *Obv.*: +CAROLVSREXFR. Cross with one dot in each corner.

Rev.: SENONESCIVITAS. Temple. Denarius.

Prou 573 = Gariel XXI, 19.

Hess April 1928, 3691; Gans-Grunthal June 1950, 171; Münz. u. Med.

Dec. 1957, 686; 1.57 gr.; Théry Coll., 488.

Paris: 1.64 gr.; ANS: 1.57 gr.; The Hague: 0.79 gr. (fragment).

Find: Wagenbogen.

982. *Obv.*: +CARLVSREXFR. Cross with one dot in each corner.

Rev.: SENONESCIVITAS. Temple. Denarius.

Prou 574, 575; Gariel XXI, 20 (Gariel Coll., var. +CARLVSREXFR+).

Paris: 1.44 gr., 1.66 gr. (PLATE XXXI); Berlin: 1.40 gr., 1.50 gr.; Grierson: 1.61 gr.; The Hague: (Inv. 17591) 1.00 gr., (Inv. 17593) 1.10 gr.,

(Inv. 17592) 1.13 gr., 1.17 gr. (fragment).

Find: Pilligerheck, 1.39 gr., 1.45 gr., 1.49 gr., 1.58 gr., Midlaren, 1.10 gr.; Wagenbogen.

983. *Obv.*: +CARLVSREXFR. Cross with one dot in each corner.

Rev.: +SENONESCIVITA. Karolus monogram. Denarius.

Prou 576; Gariel XIII, 213 (Voillemier Coll.).

Meyer Coll., 127.

Paris: 1.66 gr.; Berlin: 1.61 gr. (PLATE XXXI); Hermitage: 1.60 gr.

Find: Zelzate, 1.36 gr., 1.45 gr., 1.57 gr.

984. *Obv.*: +GRATIAD-IREX. Karolus monogram.

Rev.: +SENONESCIVITAS. Cross. Denarius.

Prou 577, 578; BMS 154.

Paris: 1.63 gr., 1.67 gr.; ANS: 1.62 gr., 1.77 gr.; BM: (38-7-10-1183-Cuerdale) 1.74 gr., Grierson: 1.73 gr.

Find: Bourgneuf, 1.70 gr., 1.80 gr.; Bligny; Etampes; Compiègne (?); Courbanton III; Glizy; Arras; Bonnevaux; "ANS Find."

985. *Obv.*: +CRATAID-IREIX. Karolus monogram.

Rev.: +SENONESCIVITAS. Cross. Denarius.

Prou 580.

Paris: 1.72 gr.

986. *Obv.*: +GRATAD-IREIX. Karolus monogram.

Rev.: +SENONESCIVITAS. Cross. Denarius.

Prou 579; Gariel XXXV, 243 (d'Estissac Coll.), 244 (Gariel Coll., var.).

Gariel Coll., 1035; Meyer Coll., 304; Blaser-Frey June 1963, 29.

Paris: 1.47 gr.; Berlin: 1.48 gr., 1.63 gr., 1.78 gr. (PLATE XXXII); ANS: 1.72 gr. (Blaser-Frey specimen), 1.65 gr. (GRATIAD); Copenhagen: (K. P. 727) 1.74 gr., (var. +SENoNISCIVIIS).

Find: Arras; "ANS Find."

986a. *Obv.*: +CTAD-IREIX. Karolus monogram.

Rev.: +SENONISCVITĀS. Cross. Obolus.

Gariel XXXV, 246 (Poey d'Avant, no. 5903).

986b. *Obv.*: +GRATIAPIREX. Karolus monogram.

Rev.: +SENONESCIVITAS. Cross. Obolus.

Gariel XXXV, 245 (Gariel Coll.).

Gariel Coll., 1036; Meyer Coll., 305.

Berlin: 0.94 gr. (PLATE XXXII).

Find: Compiègne (?); Glizy.

AUXERRE

987. *Obv.*: +CAROLVSREXFR. Cross with one dot in each corner.

Rev.: AVTISIODEROCIVI (retrograde). Temple. Denarius.

Prou 582, 583 (var., rev. inscription not retrograde, and obv. inscription reads +CAROLVSREAFR).

Bordeaux Coll., 194; Cahn Dec. 1932, 1273.

Paris: 1.63 gr., 1.46 gr.; Berlin: (PLATE XXXII); ANS: 1.49 gr.; Assen Museum: (M1870-1a) 1.54 gr.

Find: Cosne (?); Midlaren; Gronigen (1890); Roswinkel, 1.55 gr.

988. *Obv.*: +CAROLVSREA+R. Cross with one dot in each corner.

Rev.: AVTISIODIROCA (retrograde). Temple. Denarius.

Grierson: 1.59 gr.

989. *Obv.*: +CAROLVSREAFR. Cross with one dot in each corner.

Rev.: AVTISIODIROCIVI. Temple. Denarius.

Gariel XXI, 1 (Gariel Coll.).

Lockett Coll., 341.

990. *Obv.*: +CAROLVSREXFR. Cross with one dot in each corner.

Rev.: AVTISIODEROIIV (retrograde). Temple. Denarius.

Gariel XXI, 2 (Gariel Coll.).

991. *Obv.*: +CRATIAD-IREX. Karolus monogram.

Rev.: +AVTIEICIVITVS (retrograde). Cross. Denarius.

Prou 589 = Gariel XXV, 24.

Paris: 1.68 gr.

992. *Obv.*: +CRATIAD-IREX. Karolus monogram.

Rev.: ATISIODIROIVITS. Karolus monogram. Obolus.

Gariel XXVI, 25 (Glizy find).

Gariel Coll., 889.

Berlin: 0.79 gr. (PLATE XXXII).

Find: Glizy.

993. *Obv.*: +CRATIAD-REX. Karolus monogram.
Rev.: +AVTISI+DEROCI. Cross. Obolus.
 Gariel XXVI, 26 (Fillon, *Lettres à Dugast Matifeux*, p. 128).
994. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +AVTISIODIROCIVITVS. Cross. Denarius.
 Prou 588.
 Paris: 1.77 gr.; Berlin (PLATE XXXII).
995. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +AVTISIOCERCI. Cross. Denarius.
Find: Chateauneuf-sur-Cher.
996. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +AVTISIODEROCVTAS. Cross. Denarius.
 Gariel XXV, 21 (Gariel Coll.).
997. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +AVTISIODERCIVS. Cross. Denarius.
 Gariel XXV, 22 (Gariel Coll.).
 Gariel Coll., 886.
 Berlin: 1.55 gr., 1.59 gr., 1.70 gr. (PLATE XXXII).
998. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +AVTISIODERCIVIS. Cross. Denarius.
 Prou 584, 585 (var., +AVTISIODERCIVIS).
 Paris: 1.58 gr., 1.69 gr. (PLATE XXXII); Grierson: 1.78 gr. (var.).
Find: Courbanton II; Courbanton III; Glizy; Arras.
999. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +AVTISIODEROCIVITAS. Cross. Denarius.
 Prou 586 (Cf. Gariel XXV, 20, var. +AVTISIODIIOCIVITAS. Cabinet de France, but not in Prou.)
 Gariel Coll., 884; Schulman Oct. 1913, 380; Théry Coll., 426; Münz. u. Med. Nov. 1964, 14.
 Paris: 1.79 gr. (PLATE XXXII).
Find: Bourgneuf; Courbanton III; Glizy.
1000. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +AVITSODIROCIVITAS. Cross. Denarius.
 Prou 587 = Gariel XXV, 23.
 Paris: 1.72 gr. (PLATE XXXII); Berlin: 1.77 gr.
1001. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +ALTIEICIVITVS (retrograde). Cross. Denarius.
 Gariel XXV, 24.

NEVERS:

1002. *Obv.*: +CARLVSREX. Cross.
Rev.: +NEVERNISCVITAI. Karolus monogram. Denarius.
 Prou 595.
 Paris: 1.67 gr.; Berlin: (PLATE XXXII); Brussels: 1.63 gr.; Copenhagen: (K. P. 1296) 1.69 gr.
1003. *Obv.*: +CARLVSREX. Cross.
Rev.: +NEVERNISCIVITAI. Karolus monogram. Denarius.
 Gariel XXIII, 63 (Gariel Coll.).
 Meyer Coll., 350; Schulman Oct. 1913, 377.
 Berlin: 1.72 gr.
Find: Courbanton III.
1004. Same as foregoing. Obolus.
Find: Moulin-Gargot, 0.83 gr.
1005. *Obv.*: +CARLVSREX. Cross.
Rev.: +NEVERNISCVS. Karolus monogram. Obolus.
 Gariel LI, 51.
1006. *Obv.*: +CARLVSREX. Cross.
Rev.: +ŃBAERNISCVN+. Karolus monogram. Obolus.
 Gariel XXIII, 64 (Gariel Coll.).
 Gariel Coll., 842.
1007. *Obv.*: +GRATIAD-IPEX. Karolus monogram.
Rev.: +NEVERNISCIVITAS. Cross. Denarius.
 Prou 593, 594; Gariel XXXI, 161 (Gariel Coll.); BMS 155.
 Gariel Coll., 976; Meyer Coll., 277.
 Paris: 1.70 gr., 1.72 gr.; Berlin: (PLATE XXXII); ANS: 1.59 gr., 1.55 gr.; BM: (38-7-10-1177-Cuerdale, fragment) 1.67 gr.; Brussels: 1.66 gr.
Find: Nourray; Courbanton III; Glizy; Cuerdale; "ANS Find."
1008. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +NEVERNISCIVIS. Cross. Obolus.
 Stuttgart: (IIU. 1950/9) 0.87 gr.

AUTUN

1009. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +OSTEVNISCIVITAS. Cross. Denarius.
 Prou 599; Gariel XXV, 18 (Gariel Coll.).
 Gariel Coll., 882; Meyer Coll., 235.
 Paris: 1.74 gr.; Berlin: 1.76 gr. (PLATE XXXII).
Find: Compiègne; Glizy.

1010. *Obv.*: +GR·OA·CIA·DEI·RX. Karolus monogram.
Rev.: +OSTEVNISCIV. IS. Cross. Denarius.
 Gariel XXV, 19 (Arras find).
 Gariel Coll., 883.
 Berlin: 1.53 gr.
Find: Arras.

ST-ANDOCHE (AUTUN)

1011. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +S-CIAID-TM-NT. Cross. Denarius.
 Prou 600, 601 = Gariel XXXIII, 215.
 Paris: 1.64 gr., 1.70 gr.
1012. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +S-CAID-TM-NT. Cross. Denarius.
 Prou 602.
 Paris: 1.59 gr.
1013. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +S-CIAID-TIIM-NT. Cross. Denarius.
 Gariel XXXIII, 216 (Gariel Coll.).
 Gariel Coll., 1015; Meyer Coll., 375; Théry Coll., 477.
 Berlin: 1.68 gr. (PLATE XXXII).

ST-NAZAR (AUTUN)

1014. *Obv.*: +CAATIAD-IREX. Karolus monogram.
Rev.: +SCINĀZĀRIMONEĀ. Cross. Denarius.
 Gariel XXXIV, 229 (RN 1847, p. 300).

AVALLON

1015. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +CASTI2AVALONIS. Cross. Denarius.
 Prou 604; Gariel XXVI, 27 (Gariel Coll., var.).
 Gariel Coll., 890-893; Meyer Coll., 237; Théry Coll., 427 (Meyer specimen).
 Paris: 1.74 gr.; Berlin: 1.51 gr. (var.), 1.52 gr., 1.62 gr., (var.) (PLATE XXXII).
Find: Bourgneuf; Glizy; Arras.
1016. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +CASTISAVALONS (retrograde). Cross. Denarius.
 Prou 606 = Gariel XXVI, 28; Théry Coll., 428.
 Paris: 1.62 gr. Berlin: (PLATE XXXIII).
Find: Courbanton II; Courbanton III.

1017. *Obv.*: +CRATIAD-I REX. Karolus monogram.
Rev.: +CA2TI2AVVION2. Cross. Denarius.
 Prou 605.
 Paris: 1.65 gr. (PLATE XXXIII).
1018. *Obv.*: +GRATIAR-IREX. Karolus monogram.
Rev.: +CASTISAVAIOI. Cross. Denarius.
Find.: Arras.

LANGRES

1019. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +L'NGONISCIAIS. Cross. Denarius.
 Prou 607.
 Paris: 1.53 gr.
1020. *Obv.*: +CIATIAD-PIEX. Karolus monogram.
Rev.: +L'NGONISCIVIS. Cross. Denarius.
 Prou 608.
 Théry Coll., 454.
 Paris: 1.40 gr. (PLATE XXXIII); ANS: 1.50 gr.
Find.: Arras.
1021. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +LINGONISCIVI. Cross. Denarius.
 Gariel L, 30 (Gariel Coll.).
 Gariel Coll., 1214.
 Berlin: 1.49 gr.
Find.: Bourgneuf (var.); Chalon-sur-Saône (1893); Langres.
1022. *Obv.*: +GRACIAD-IREX. Karolus monogram.
Rev.: +LINGONISCIVI. Cross. Denarius.
 Prou 609; Gariel XXX, 124 (Gariel Coll., var.).
 Gariel Coll., 954; Meyer Coll., 263, 349; Cahn 1934, 2251.
 Paris: 1.58 gr.; Berlin: 1.79 gr.

DIJON

1023. *Obv.*: +CRATIAD-REX. Karolus monogram.
Rev.: +DIVII◇NISCASRE. Cross. Denarius.
 Gariel XXIX, 103 (Gariel Coll.).
 Gariel Coll., 938; Meyer Coll., 256; Schulman 1931, 120; Théry Coll., 1963, 447 (ex Meyer Coll.).
 Berlin: 1.38 gr.; Copenhagen: (T. 1243) 1.43 gr. (PLATE XXXIII).
Find.: Chalon-sur-Saône (1956); Bourgneuf; Bligny; Chalon-sur-Saône (1893); Arras.

1024. *Obv.*: +DATIAD-IREX. Karolus monogram.

Rev.: +DIVIONICASTRE. Cross. Denarius.

Gariel XXIX, 104 (Gariel Coll.).

Gariel Coll., 939; Bordeaux Coll., 255.

Berlin: 1.57 gr. (PLATE XXXIII).

1025. *Obv.*: +CRATIAD-REX. Karolus monogram.

Rev.: +CIVIONISCIVIS. Cross. Denarius.

Prou 613.

Paris: 1.73 gr.; ANS: 1.66 gr. with rev. 1024.

Find: Courbanton III.

1026. *Obv.*: +CRATIAD-IREX. Karolus monogram.

Rev.: +CIVIONICASTRE. Cross. Denarius.

Prou 614.

Paris: 1.29 gr.

1027. *Obv.*: +CRATIAI-IREX. Karolus monogram.

Rev.: +DIVIONICASTRE. Cross. Denarius.

Prou 615; Gariel XXIX, 105 (Gariel Coll.).

Gariel Coll., 940.

Paris: 1.16 gr.

TONNERRE

1028. *Obv.*: +CRATIAD-IREX. Karolus monogram.

Rev.: +TORNODOROASTEI. Cross. Denarius.

Gariel XXXV, 260 (Gariel Coll.).

1029. *Obv.*: +CRATIIAD'VMRER. Karolus monogram.

Rev.: +TORIIAIDORIT. Cross. Denarius.

Gariel XXXVI, 265 (Gariel Coll.).

Find: Arras.

1030. *Obv.*: +CRATIAD-IREX. Karolus monogram.

Rev.: +TORNOCROCYSIRO. Cross. Denarius.

Théry Coll., 492.

Find: Bourgneuf, 1.62 gr., 1.80 gr.

1031. *Obv.*: +CPATIAD-IPEX. Karolus monogram.

Rev.: +TORNETREMSI. Cross. Denarius.

Prou 616.

Paris: 1.60 gr.; Berlin: (PLATE XXXIII); Copenhagen: (K. P. 848)

1.52 gr. (var. +TORNETERMSI).

1032. *Obv.*: +CRATIAD-IREX. Karolus monogram.

Rev.: +TORNODORCASTEL. Cross. Denarius.

Gariel XXXV, 260 (RN 1861, p. 368, pl. XVI, 2).

Berlin: 1.71 gr. (PLATE XXXIII).

CHALON-SUR-SAÔNE

1033. *Obv.*: +CARTV2REX. Cross.
Rev.: +CAVILONIC. Karolus monogram. Denarius.
Find: Vereb.
1034. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +CAVILONISCIVIS. Cross. Denarius.
 Gariel XXVII, 67 (Gariel Coll.), 70 (Gariel Coll.).
 Gariel Coll., 913, 917.
 Berlin: 1.54 gr.
Find: Chalon-sur-Saône (1956); Bourgneuf, 1.20 gr., 1.80 gr.; Arras;
 Chalon-sur-Saône (1893).
1035. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +CAVILONISCIVIS. Cross. Denarius.
 Gariel XXVII, 68 (Gariel Coll.).
 Berlin: 1.55 gr. (PLATE XXXIII); ANS: 1.64 gr. (...D-REX; CAVNO-
 NISCIVIS).
Find: "ANS Find."
1036. *Obv.*: +CRATIADIREX. Karolus monogram.
Rev.: +CAVILONISCIVI. Cross. Obolus.
 Gariel XXVII, 69 (Gariel Coll.).
 Gariel Coll., 915.
 Berlin: 0.62 gr. (PLATE XXXIII).

LYON

1037. *Obv.*: +CARO... Karolus monogram.
Rev.: +LVCDVNICIVIS. Cross. Obolus.
 Stuttgart: (2v8468) 0.82 gr.
1038. *Obv.*: +GRATIADIREX. Karolus monogram.
Rev.: +LVGDVNICIVIS. Cross. Denarius.
 Prou 633; Gariel XXX, 134 (var. +CRATIADIDEIX; no location).
 Paris: 1.90 gr.; Berlin: 1.36 gr. (PLATE XXXIII).
1039. *Obv.*: +GRATIAD-. Karolus monogram.
Rev.: +LVCDVNICIV. Cross. Denarius.
 Gariel LIV, 27 (Gariel Coll.).
 Berlin: 1.26 gr.

BESANÇON

1040. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +BESENCIONECIVITAS. Cross. Denarius.
 Prou 647.
 Paris: 1.75 gr. (PLATE XXXIII).
Find: Bourgneuf, 1.80 gr.; Alésia.

1041. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +BESENCIONICIVITAS. Cross. Denarius.
 Prou 648 = Gariel XXVII, 51.
 Paris: 1.67 gr.

Brittany

RENNES

1042. *Obv.*: +CRATIAD-IRIX. Karolus monogram.
Rev.: +VRBSREDONIS. Cross. Denarius.
 Gariel XXXIII, 201 (Gariel Coll.).
 Berlin: 0.73 gr.
1043. *Obv.*: +CRATIID-IRE+. Karolus monogram.
Rev.: +REDONSCVT.S. Cross. Denarius.
 Gariel LI, 67 (Gariel Coll.).
 Gariel Coll., 1232; Meyer Coll., 413.
1044. *Obv.*: +GRATIAD-IRE+. Karolus monogram.
Rev.: +REDONSCIVTĀ. Cross. Denarius.
 Gariel LI, 68 (Gariel Coll.).
 Gariel Coll., 1233.
 Berlin: 1.11 gr., 1.29 gr.
1045. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +HR'EDONISCIVITAS. Cross. Denarius.
 Prou 651, 652 (var.); Gariel XXXIII, 199 (Bigot Coll.); *BMS* 156.
 Rousseau Coll., 401; Hamburger Nov. 1912, 75; Cahn Dec. 1922, 522,
 1.10 gr.; Hamburger Sept. 1926, 10; Cahn April 1929, 35; Cahn Sept.
 1932, 1307; Münzhandl. Basel Dec. 1935, 22; Kress Oct. 1960, 1476.
 Paris: 1.63 gr., 1.69 gr.; Berlin: 1.63 gr.; ANS: 1.29 gr., 1.34 gr., 1.60
 gr.; Alfred B. Bellinger: 1.54 gr. (PLATE XXXIII); BM: (1932-5-7-1.
 fragment) 1.50 gr.; Brussels: (Inv. 117) 1.53 gr., 1.60 gr., 1.83 gr.;
 Copenhagen: (T.1249) 1.00 gr., (K. P. 828) 1.25 gr.; Grierson: 1.47 gr.,
 1.24 gr.; The Hague: (Inv. 1934, no. 322) 1.60 gr.; Hermitage: 1.53 gr.,
 1.16 gr.; Munich: 1.64 gr.; Stuttgart: (2v8089) 1.50 gr.; Van Rede:
 (B1267) 1.55 gr.
Find.: Zelzate; Chalon-sur-Saône (1956); Bourgneuf; Chalon-sur-Saône
 (1893); Glizy; Arras; Bonnevaux; "ANS Find."
1046. Same as foregoing. Obolus.
 Gariel XXXIII, 200 (Gariel Coll.).
 Meyer Coll., 289.
 Berlin: 0.72 gr. (PLATE XXXIII).

NANTES

1047. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +NAMNETISCIVITAS. Cross. Denarius.
 Prou 654; Gariel XXXI, 156 (Gariel Coll.); *BMS* 157.
 Gariel Coll., 972; Meyer Coll., 275; Bordeaux Coll., 264.
 Paris: 1.82 gr.; Berlin: 1.63 gr. (PLATE XXXIII); BM: (38-7-10-1176-Cuerdale) 1.60 gr.
Find: Compiègne; Etampes; Courbanton III; Arras; Cuerdale.
1048. Same as foregoing. Obolus.
 Gariel XXXI, 157 (Fillon, *Lettres à Dugast Matifeux*, p. 128).

Aquitaine

1049. *Obv.*: +CARLVSREXFR. Cross.
Rev.: AQVI/TANIA. Obolus.
 Prou 668; Gariel XXII, 31 (Gariel Coll., var.); *BMS* 158.
 Gariel Coll., 820.
 Paris: 0.78 gr.; Berlin: 0.69 gr.; BM: (SSB-135-100) 0.82 gr.
1050. *Obv.*: +CARLVSREXP. Cross.
Rev.: A:QVI/•/TANIV. Obolus.
 Prou 669 = Gariel XXII, 29.
 Paris: 0.70 gr.
Find: Fontaines.
1051. *Obv.*: +CARLVSEXER. Cross.
Rev.: AQVI/TANIIIA. Obolus.
 Prou 670.
 Paris: 0.65 gr.
1052. *Obv.*: +CARLVS... Cross.
Rev.: AQVI/TANIA. Obolus.
 Prou 671.
 Paris: 0.66 gr.; Vienna: 0.55 gr.
1053. *Obv.*: +CARLVSREX. Cross.
Rev.: AQVI/TANIA. Obolus.
 Prou 672, 674; Gariel XXII, 30 (Gariel Coll.).
 Schulman 1931, 106; Meyer Coll., 206.
 Paris: 0.60 gr., 0.69 gr.; Berlin: 0.64 gr., 0.70 gr., 0.72 gr.; ANS: 0.68 gr. (PLATE XXXIII); Brussels: 0.84 gr.; Copenhagen: (K. P. 152) 0.55 gr.; The Hague: (608) 0.50 gr.
Find: Chamoux-Marcilly, (var.) 0.53 gr., 0.63 gr., 0.65 gr., 0.72 gr.; Muizon-lez-Malines; 0.78 gr., 0.79 gr., Etréchy.

1054. *Obv.*: +KARLVSEX. Cross.
Rev.: AQVI/TAHIA. Obolus.
 Prou 673.
 Paris: 0.75 gr.; Grierson: 0.62 gr.
1055. *Obv.*: +HKAROLVSRE. Cross.
Rev.: AQVI/TAHIA. Obolus.
 Gariel XXII, 28 (Gariel Coll.).
 Rousseau Coll., 412; Gariel Coll., 818.
 Berlin: 0.60 gr., 0.79 gr.

MELLE

1056. *Obv.*: +CARLVSRXFR. Cross.
Rev.: META/LLVM. Denarius.
 Prou 726, 727 (var.); Gariel XXIII, 60 (Melle find).
 Meyer Coll., 404; Cahn Dec. 1932, 1327; Lockett Coll., 363; Théry Coll., 462.
 Paris: 1.49 gr., 1.58 gr.; Berlin: 1.65 gr. (PLATE XXXIV); Copenhagen: (Rollin, Kjobepr. p. 69) 1.24 gr., (K. P. p. 124) 1.58 gr.
Find: Brioux.
1057. Same as foregoing. Obolus.
 Gariel XXIII, 61 (Melle find).
 Meyer Coll., 405.
 Berlin: 0.89 gr.; Copenhagen: (T.1202) 0.35 gr., (T.1203) 0.56 gr.
Find: Brioux; Chateaufort-sur-Cher.
1058. *Obv.*: +CAR/LAS.
Rev.: +METVLLO. Cross. Denarius.
 Rousseau Coll., 507; genuine (?).
1059. *Obv.*: CARLVSEXFRANCO. Temple.
Rev.: +METVLLO. Cross with one dot in each corner. Denarius.
 Gariel XXI, 8 (Fillon, *Lettres à Dugast-Matifeux*).
1060. *Obv.*: Karolus monogram.
Rev.: +METVLLO. Cross. Obolus.
 Prou 703, 704, 705; Gariel XXIV, 76 (Gariel Coll.); BMS 159, 160.
 Rousseau Coll., 318; Cahn Dec. 1922, 524, 0.50 gr.; Cahn March 1926, 27, 0.80 gr.; Cahn Oct. 1929, 891, 0.82 gr.; 903, 0.65 gr.; Kress Oct. 1960, 1459.
 Paris: 0.84 gr., 0.81 gr., 0.80 gr., (705a) 0.75 gr.; Berlin: 0.81 gr., 0.83 gr. (PLATE XXXIV); BM: (SSB-127-77) 0.70 gr., (1908-10-11-263) 0.60 gr.; Brussels: 0.66 gr., 0.72 gr., 0.76 gr., 0.78 gr.; Copenhagen: (K. P. 1296) 0.81 gr.; Grierson: 0.65 gr.; The Hague: (Inv. 17676) 0.40 gr., (629) 0.45 gr., (Inv. 17616) 0.45 gr., (Inv. 17603) 0.50 gr., (Inv. 17604) 0.55 gr., (Inv. 17613) 0.60 gr.; Vatican: 0.61 gr., 0.80 gr.
Find: Marsum; Bonnevaux; Schowen.

1061. *Obv.*: Karolus monogram, with X between the K and the L.
Rev.: +METVLLO. Cross. Obolus.
 Prou 706, 707, 708; Gariel XXIV, 77 (Meyer Coll.), 78, 79, (Gariel Coll.); *BMS* 161-165.
 Rousseau Coll., 319; Münzhandl. Basel Dec. 1935, 19.
 Paris: 0.76 gr., 0.94 gr., 0.75 gr.; Berlin: 0.72 gr., 0.76 gr., 0.91 gr. (PLATE XXXIV); ANS: 0.68 gr., 0.76 gr., 0.78 gr.; BM: (38-7-10-1152-Cuerdale) 0.71 gr., (38-7-10-1153-Cuerdale) 0.83 gr., (49-1-24-16-E) 0.82 gr., (1937-1-8-2) 0.87 gr., 0.70 gr.; Brussels: 0.53 gr., (Inv. 93) 0.81 gr., 0.87 gr., 0.66 gr.; Copenhagen: (K. P. 786) 0.72 gr., 0.73 gr., (T.1196. Vallée find, XXXII, 214) 0.83 gr.; Grierson: 0.74 gr., 0.46 gr. (damaged); Hannover: (Inv. 1961...) 0.64 gr.; Holmes: 0.82 gr.; Munich: 0.70 gr.; Nelson: (53.114.1867).
Find.: Stolpehuse; Bonnevaux; Saumur; Cuerdale.
1062. *Obv.*: +CARLVSREXR. Cross.
Rev.: +METXVLLO. Karolus monogram. A. Genuine?
 Motte Coll., 131.
 Grierson: 1.59 gr.
1063. *Obv.*: +CARLVSREXFR. Cross.
Rev.: +METVLLO. Karolus monogram. Denarius.
 Prou 692-698; Gariel XIII, 209, XXIII, 58; *BMS* 166-172.
 Rousseau Coll., 316, 317; Cahn April 1912, 14; Cahn Feb. 1931, 7; Cahn 1932, 1294; Lockett Coll., 342 (ex Cuerdale); Kress Oct. 1960, 1455-1458.
 Paris: 1.68 gr., 1.55 gr., 1.58 gr., 1.61 gr., 1.58 gr., 1.67 gr., 1.55 gr.; Berlin: 1.70 gr. (PLATE XXXIV); ANS: 1.55 gr., 1.6 gr., 1.65 gr., 1.75 gr.; Blunt: 1.72 gr.; Bodleian/Ashmolean (four exemplars); BM: (George III-27) 1.63 gr., (38-7-10-1134-Cuerdale) 1.71 gr., (38-7-10-1135-Cuerdale) 1.35 gr., (57-9-1-8-IGP) 1.61 gr., (SSB-127-56) 1.65 gr., (1908-10-11-252) 1.59 gr., (1937-1-8-5-R85) 1.49 gr.; Brussels: 1.48 gr., 1.52 gr., 1.54 gr., 1.68 gr.; Copenhagen: (Fortegn. p. 250) 1.71 gr.; Grierson: 1.53 gr., 1.57 gr., 1.58 gr.; Groningen Museum: 1.29 gr., (514) 1.59 gr.; The Hague: (Inv. 17611) 1.00 gr. (Inv. 17610) 1.10 gr., (Inv. 17609) 1.20 gr., (Inv. 17612) 1.30 gr., (Inv. 17600) 1.50 gr.; Munich: 1.66 gr.; Oslo: 1.71 gr., 1.72 gr.; Stuttgart: (2v8504) 1.47 gr., (2v8191) 1.54 gr., (2v8509) 1.62 gr., (2v4177) 1.67 gr.; Yale: (four exemplars).
Find.: Veuillin; Rijs; Achlum; Brioux; Bligny; Gower; Mullaghboden; Harkirke (?); Kettilstorp; Bonnevaux; Chateaufort-sur-Cher (?); Saumur; Lyslo; Stolpehuse; Jaeren; Søndre Bø; "ANS Find."
 Find evidence indicates that this type was struck by Charlemagne, Charles the Bald, and Charles the Simple. For additional references, see the listings under Charlemagne.
1064. *Obv.*: +CARLVSREXFR. Cross.
Rev.: +MET +VLLO. Karolus monogram. Denarius.

Prou 699, 700, 701; Gariel XXIII, 59 (Melle Find); *BMS* 173-196.
 Paris: 1.60 gr., 1.62 gr., 1.70 gr.; Berlin: 1.40 gr., 1.62 gr.; ANS: 1.65 gr. (PLATE XXXIV); Blunt: 1.62 gr.; Bodleian/Ashmolean (five specimens); Brussels: 1.44 gr., 1.62 gr., (Inv. 26) 1.72 gr.; Copenhagen: (Cuerdale find) 1.54 gr., (Cuerdale find) 1.60 gr., (Cuerdale find) 1.61 gr., (Cuerdale find) 1.63 gr., (K. P. 724) 1.75 gr.; BM: (38-7-10-1136-Cuerdale) 1.65 gr., (38-7-10-1137-Cuerdale) 1.52 gr., (38-7-10-1138-Cuerdale) 1.72 gr., (38-7-10-1139-Cuerdale) 1.59 gr., (38-7-10-1140-Cuerdale) 1.82 gr., (38-7-10-1141-Cuerdale) 1.61 gr., (38-7-10-1142-Cuerdale) 1.45 gr., (38-7-10-1143-Cuerdale) 1.46 gr., (38-7-10-1144-Cuerdale) 1.74 gr., (38-7-10-1145-Cuerdale) 1.70 gr., (38-7-10-1146-Cuerdale) 1.64 gr., (38-7-10-1147-Cuerdale) 1.55 gr., (38-7-10-1148-Cuerdale) 1.42 gr., (57-9-1-33) 1.53 gr., (De Salis) 1.67 gr., (1906-11-3-3180) 1.77 gr., (1908-10-11-258) 1.79 gr., (1908-10-11-259) 1.69 gr., (1908-10-11-261) 1.60 gr., (1908-10-11-262) 1.47 gr., (1915-5-7-328-Morgan-Evans) 1.64 gr., (1915-5-7-329-Morgan-Evans) 1.66 gr., (1937-1-8-3-R85) 1.45 gr.; Garrett: (6131) 1.58 gr.; Grierson: 1.66 gr.; The Hague: (Inv. 17614) 1.40 gr., (688) 1.43 gr.; Hannover: (Inv. 1961...) 1.56 gr., (Inv. 1961...) 1.66 gr.; Hermitage: 1.27 gr.; Munich: 1.57 gr., 1.57 gr.; Nelson: (53.114.1858), (53.114.1859), (53.114.1860), (53.114.1861), (53.114.1862), (53.114.1863), (53.114.1864), (53.114.1865), (53.114.1866), (56.40.1), (56.40.2), (56.40.3), (56.40.4), (56.40.5), (56.40.6), (56.40.7), (56.40.8); Stuttgart: (IIU. 1949/296) 1.62 gr., (2v4177) 1.67 gr.; Van Rede: (B1257) 1.60 gr., (B1259) 1.66 gr., (B1258) 1.68 gr., (B1256) 1.77 gr.; Vienna: 1.66 gr.
Find: Chamoux-Marcilly, 1.70 gr.; Cuerdale; Bonnevaux.

1065. *Obv.*: +CARLVSREXP. Cross.

Rev.: +METVLLO. Karolus monogram. Denarius.

Prou 702.

Paris: 1.15 gr.; Brussels: 1.30 gr. (+CARLVSREXR; +MET+VLLO). 1.54 gr. (+CARLVSREXF; +MET+LLO); Hermitage: 1.65 gr.; Vatican: 1.68 gr.; David McClymont: 1.63 gr. (PLATE XXXIV).

1066. *Obv.*: +CARLVSREX. Cross.

Rev.: +METVLLO. Karolus monogram. Denarius.

Find: Brioux.

BOURGES

1067. *Obv.*: +CARLVSREXFR. Cross with one dot in each corner.

Rev.: BITVRICESCVT. Temple. Denarius.

Gariel XXI, 3 (stock of Rollin).

Find: Chaumoux-Marcilly.

1068. *Obv.*: +CARLVSP. Bust, laureate and armored, to right.

Rev.: BITV/RICES. Denarius.

Prou 736.

Paris: 1.45 gr.

1069. *Obv.*: +CARLVSRE. Bust, laureate and armored, to left.
Rev.: BITV/RICES. Denarius.
 Prou 737, 738; Gariel XXII, 44 (Gariel Coll.).
 Gariel Coll., 830; Hess April 1928, 3687; Münz. u. Med. July 1955, 501;
 Kress Oct. 1960, 1433; Motte Coll., 133; Théry Coll., 434.
 Paris: 1.36 gr., 1.07 gr.; Berlin: 1.46 gr., 1.58 gr. (PLATE XXXIV,
 two specimens); ANS: 1.40 gr.; Brussels: (Inv. 94) 1.34 gr.; Copen-
 hagen: (K. P. 841) 1.39 gr.
Find.: Bourges (?) (1887 ?), 1.40 gr., 1.45 gr., 1.54 gr.
1070. *Obv.*: +CARLVSRE. Bust, laureate and armored, to left.
Rev.: BITV/RICES/+. Denarius.
 The Hague: (Inv. 17595) 1.50 gr.
Find.: Wagenbogen.
1071. *Obv.*: +CARLVSREX. Cross.
Rev.: +BITVRICESCIVI. Karolus monogram. Denarius.
 Prou 739, 740; Gariel XXII, 39 (Gariel Coll.).
 Hamburger Sept. 1926, 5; Cahn Sept. 1932, 1303; Kress Oct. 1960,
 1434, 1435.
 Paris: 1.76 gr., 1.75 gr.; Berlin: 1.74 gr. (PLATE XXXIV); ANS: 1.74
 gr., 1.55 gr., 1.77 gr.; Grierson: 1.76 gr., 1.78 gr.; Stuttgart: (2v8467)
 1.67 gr.; Van Rede: (B1251) 1.70 gr.
Find.: Chamoux-Marcilly, 1.67 gr., 1.68 gr., 1.73 gr., 1.76 gr., 1.76 gr.,
 1.77 gr.; Bourgneuf; Courbanton II; Courbanton III; Chalon-sur-
 Saône (1893?); Gannat; Chateauneuf-sur-Cher (?); Moulin-Gargot,
 1.78 gr.; "ANS Find."
1072. Same as foregoing. Obolus.
 Prou 741; Gariel XXII, 41 (Gariel Coll.).
 Meyer Coll., 208.
 Paris: 0.57 gr.; Berlin: 0.81 gr.; Grierson: 0.79 gr.
Find.: Chamoux-Marcilly, 0.82 gr.; Moulin-Gargot, 0.86 gr.
1073. *Obv.*: +CARLVSREX. Cross.
Rev.: +BITVRICESCIVII. Karolus monogram. Denarius.
 Prou 742.
 Paris: 1.74 gr.; Berlin (PLATE XXXIV).
Find.: Moulin-Gargot, 1.70 gr.
1074. Same as foregoing. Obolus.
Find.: Moulin-Gargot, 0.93 gr.
1075. *Obv.*: +CARLVSREX. Cross.
Rev.: +BITVRICESCIVH. Karolus monogram. Denarius.
 Gariel XXII, 40 (Gariel Coll.).
 Berlin: 1.57 gr.
Find.: Issy-l'Evêque (?).

1076. *Obv.*: +CARLVSREX. Cross.
Rev.: +BITVRICESCIVS. Karolus monogram. Denarius.
Find: Arras.
1077. *Obv.*: +CARLVSREXFR. Cross with one dot in each corner.
Rev.: BITVRICESCVT. Temple. Denarius.
 Gariel XXI, 3 (stock of Rollin).
 Berlin: 1.33 gr.

CLERMONT

1078. *Obv.*: +CARLVSREX. Cross.
Rev.: +CLAROMIIT. Karolus monogram. Denarius.
 Prou 768; Gariel XXIII, 51 (Musée d'Avignon).
 Paris: 1.64 gr. (PLATE XXXIV); ANS: 1.54 gr.
Find: Arras; Avignon; Cuerdale; "ANS Find."
1079. *Obv.*: +CARLVC:X. Cross with one dot in each corner.
Rev.: +CLAROM...T. Karolus monogram. Denarius.
 Prou 769.
 Paris: 1.65 gr.
1080. *Obv.*: +CARLVSREX. Cross.
Rev.: +CLAROMIIN. Karolus monogram. Denarius.
 Gariel XLII, 47 (Cuerdale find).
 Théry Coll., 518.
 Munich: 1.65 gr.
Find: Courbantou III; Moulin-Gargot, 1.79 gr.; Cuerdale.
1081. Same as foregoing. Obolus.
 Prou 770, 771; Gariel XLII, 48 (RN 1837, p. 343).
 Paris: 0.73 gr., 0.66 gr.
Find: Moulin-Gargot, 0.91 gr.
1082. *Obv.*: +CARLVSREX. Cross.
Rev.: +CLVROMANT. Karolus monogram. Denarius.
 Prou 764; Gariel XXIII, 49 (Gariel Coll.), XXII, 48 (Gariel Coll., var., +CLAROMVNT.).
 Rousseau Coll., 471; Gariel Coll., 834; Riechman Nov. 1924, 32.
 Paris: 1.80 gr.; Berlin: 1.54 gr., 1.70 gr.; ANS: 1.31 gr. (PLATE XXXIV);
 Nelson: (53.114.1872, var.).
Find: Bourgneuf; Yrond; Gannat.
1083. *Obv.*: +CARLVSREX. Cross.
Rev.: +CLAROMIIN. Karolus monogram. Denarius.
 Prou 765, 766; Gariel XXIII, 50 (Gariel Coll.); BMS 197.
 Gariel Coll., 835; Meyer Coll., 346; Hamburger June 1891, 477; Riechman Nov. 1924, 22; Cahn Dec. 1932, 1307; Schulman March 1959, 1813.

Paris: 1.49 gr., 1.39 gr.; Berlin: (PLATE XXXIV); BM: (38-7-10-1133-Cuerdale) 1.65 gr., (1920-1-2-146-Cuerdale) 1.61 gr.; Brussels: 1.69 gr.; The Hague: (Inv. 17597) 1.50 gr.; Hermitage: 1.34 gr.

Find: Avignon; Cuerdale.

1084. *Obv.*: +CARLVSREX. Cross.

Rev.: 7CLAROMIIT. Karolus monogram. Obolus.

Prou 767; BMS 198.

Paris: 0.61 gr.; BM.

Find: Gannat.

AUVERNE

1085. *Obv.*: +HCARLVSREXF. Cross with one dot in each corner.

Rev.: HALIVERNACIVES. Temple. Denarius.

Gariel XXI, 6 (Gariel Coll.).

Gariel Coll., 798.

Berlin: 1.47 gr.

1086. *Obv.*: +HCAROLVSREX. Cross with one dot in each corner.

Rev.: HALIVERNISCIVE. Temple. Denarius.

Gariel XXI, 7 (Gariel Coll.).

Gariel Coll., 799; Meyer Coll., 196.

Berlin: 1.53 gr.

Gascony

AGEN

1087. *Obv.*: +CARLVSREXFR. Karolus monogram.

Rev.: +AGINCIVITAS. Cross. Denarius.

Prou 791; Gariel XXII, 25 (Gariel Coll.).

Meyer Coll., 205.

Paris: 1.54 gr.; Berlin: 1.64 gr.

1088. *Obv.*: +CARLVSREX. Karolus monogram.

Rev.: +AGINOCIVITAS. Cross. Denarius.

Rousseau Coll., 377.

1089. *Obv.*: Karolus monogram.

Rev.: +A9INNO. Cross. Obolus.

Prou 795; Gariel XXIV, 74 (Gariel Coll.).

Rousseau Coll., 310; Gariel Coll., 855; Meyer Coll., 217; Bordeaux Coll.,

180.

Berlin: 0.85 gr. (PLATE XXXIV).

DAX

1090. *Obv.*: +CARLV^SREXFR. Cross.
Rev.: +A6 VI2VRBS. Karolus monogram. Denarius.
 Prou 798; Gariel XXIII, 52 (Musée de Marseilles).
 Rousseau Coll., 311; Meyer Coll., 115.
 Paris: 1.31 gr.; Berlin: (PLATE XXXV).
1091. *Obv.*: +CARLV^SREXFR. Cross.
Rev.: +MGVI2+CIVE. Karolus monogram. Denarius.
 Gariel XXIII, 55 (Meyer Coll.).
1092. *Obv.*: +CARLV^SREXFR. Cross.
Rev.: +A6 VI2+CI. Karolus monogram. Denarius.
 Prou 799; Gariel XXIII, 53.
 Paris: 1.66 gr. (PLATE XXXV).
1093. *Obv.*: +CARLV^SREXFR. Cross.
Rev.: +IDAQVIS (retrograde). Karolus monogram. Denarius.
 Gariel XXIII, 54 (Musée de Marseilles).
1094. *Obv.*: +CARLV^SREXFR. Cross.
Rev.: +CIXIAGI^S. Karolus monogram. Denarius.
 The Hague: (Inv. 17649) 1.70 gr.

Toulousain

TOULOUSE

1095. *Obv.*: +CARLV^SREXFR. Cross.
Rev.: +TOLSACIVI. Karolus monogram. Denarius.
 Gariel XXIII, 68.
 Berlin: 1.71 gr.
Find: Dorestadt (1846) (?); Auzeville; Brioux.
1096. *Obv.*: +CARLV^SREXF. Cross.
Rev.: +TOLSACIVI. Karolus monogram. Denarius.
 Prou 816; Gariel XXIII, 72 (Auzeville find).
 Kress Oct. 1960, 1479, 1480; Kress Dec. 1961, 663.
 Paris: 1.51 gr.; Berlin: 1.73 gr. (PLATE XXXV); Brussels: 1.56 gr.;
 Copenhagen: (K. P. 724) 1.51 gr.
Find: Auzeville (var.).
1097. *Obv.*: +CARLV^SREX. Cross.
Rev.: +TOLOSA. Karolus monogram. Denarius.
 Prou 817.
 Paris: 1.64 gr.; ANS: 1.59 gr. (PLATE XXXV); Grierson: 1.50 gr.

1098. Same as foregoing. Obolus.
Gariel LII, 80 (Avignon find).
Find: Avignon.
1099. *Obv.*: +CARLVSREXFR. Cross.
Rev.: +TOLOSACI. Denarius.
Find: Bonnevaux.
1100. *Obv.*: +CARLVSREXFR. Cross.
Rev.: +TOLVSACIVI. Cross. Denarius.
Cahn Dec. 1932, 1276.
Find: Toulouse.
1101. *Obv.*: +CARLVSREXF. Cross.
Rev.: +TOLVSACIVI. Karolus monogram. Obolus.
Gariel XXIII, 69 (Auzeville find).
Gariel Coll., 850; Hamburger Nov. 1912, 54.
Berlin: 0.61 gr.
Find: Auzeville.
1102. *Obv.*: +CARLVSREXFR. Cross.
Rev.: +TOLOSACIVI. Karolus monogram. Denarius.
Prou 814; Gariel XXIII, 71 (Auzeville find).
Kress Oct. 1960, 1482; Kress Dec. 1961, 664; Théry Coll., 493.
Paris: 1.42 gr.; Berlin: (PLATE XXXV); Brussels: 1.49 gr., 1.56 gr., 1.58 gr., 1.73 gr. (var. +CARLVSREXF+); ANS: 1.48 gr.; Holmes: 1.46 gr.
1103. *Obv.*: +CARLVSEXF. Cross.
Rev.: +TOLVSACIVI. Karolus monogram. Denarius.
Prou 813; Gariel XXIII, 67 (Auzeville find).
Paris: 1.60 gr.; Berlin: 1.54 gr., (fragment), 1.55 gr., 1.59 gr., 1.62 gr., 1.68 gr., 1.70 gr., 1.73 gr.; ANS: 1.73 gr. (PLATE XXXV); Brussels: 1.53 gr.
Find: Auzeville.
1104. *Obv.*: +CARLVSREXF. Cross.
Rev.: +TOLOSACIV. Karolus monogram. Obolus.
Prou 815; Gariel XXIII, 70 (Auzeville find).
Gariel Coll., 851.
Paris: 0.72 gr. (PLATE XXXV).
Find: Auzeville.
1105. *Obv.*: +CARLVSRE. Cross.
Rev.: +TOLOSACIVI. Karolus monogram. Denarius.
Gariel LII, 81 (Gariel Coll.).
Gariel Coll., 1242; Meyer Coll., 417.
Berlin: 1.24 gr.; Brussels: 1.51 gr. (var. +CARLVSREX); Vienna: 1.30 gr.

1106. *Obv.*: Karolus monogram.
Rev.: +TOLVSA. Cross. Obolus.
 Gariel XXIV, 82.
Find: Bonnevaux.

Septimania

NARBONNE

1107. *Obv.*: Karolus monogram.
Rev.: +NARBONA. Cross. Obolus.
 Gariel XXIV, 80 (Gariel Coll.).
 Rousseau Coll., 322; Gariel Coll., 859.
 Berlin: 0.63 gr. (PLATE XXXV).

Provence

VIENNE

1108. *Obv.*: +CRATIADIIIEX. Karolus monogram.
Rev.: +VIENNACIVIS. Cross. Denarius.
 Prou 845.
 Paris: 1.73 gr. (PLATE XXXV).
1109. *Obv.*: +GRATIADIREX. Karolus monogram.
Rev.: +VIENNACIVIS. Cross. Denarius.
 Prou 844; Gariel XXXVII, 289 (Gariel Coll.).
 Gariel Coll., 1063; Meyer Coll., 319; Bordeaux Coll., 279.
 Paris: 1.68 gr.; Berlin: 1.62 gr.
Find: Bourgneuf, 1.80 gr.; Courbanton III; Chalon-sur-Saône (1893).

ARLES

1110. *Obv.*: Karolus monogram.
Rev.: +ARELATO. Cross. Obolus.
 Gariel XXIV, 75 (Musée de Marseilles).

Indeterminate Mints

1111. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +AENCIANISFISC (retrograde). Cross. Denarius.
 Gariel XXIX, 106 (Gariel Coll.).
 Gariel Coll., 941.
1112. *Obv.*: +ODATA-olIEX. Karolus monogram.
Rev.: BRVDONSOIT. Cross. Denarius.

(Grunthal, p. 52, suggests an attribution to Porrentruy).
 Prou 945; Gariel XXVII, 57 (Gariel Coll.).
 Théry Coll., 435 (ex van Peteghen, 82).
 Paris: 1.77 gr.; Berlin: 1.75 gr. (PLATE XXXV).
Find: Glizy.

III3. *Obv.*: +GRATIAD-IREX. Karolus monogram.

Rev.: +BELIACASTRO. Cross. Denarius.

Théry Coll., 433.

Find: Bourgneuf.

III4. *Obv.*: +IVDV TIOVIEX. Karolus monogram.

Rev.: RRVΘ VN2NT. Cross. Denarius.

Prou 946, 947; Gariel XXVII, 58 (Gariel Coll.); Prou 948 (var. with RRVΘVN2VT).

Paris: 1.70 gr., 1.80 gr.; Berlin: 1.82 gr.

Find: Glizy.

III5. *Obv.*: +CRATIAD-IREX. Karolus monogram.

Rev.: +CASTRAMONET'A' Cross. Denarius.

Prou 950 = Gariel XXV, 10.

Paris: 1.68 gr.; ANS: 1.78 gr. (PLATE XXXV).

III6. *Obv.*: +CRACIADIREX. Karolus monogram.

Rev.: +CHIMIRIACOV. Cross. Denarius.

Gariel XXVIII, 87 (Brussels).

Gariel Coll., 929.

Brussels (PLATE XXXV).

III7. *Obv.*: +CARLV SREXFR. Cross.

Rev.: +CIVEXMC-VI2. Karolus monogram. Denarius.

Gariel XXIII, 55 (Meyer Coll.).

Berlin: 1.50 gr.

III8. *Obv.*: +CDATIAD-IFEX. Karolus monogram.

Rev.: +DEFISCOCVRINIO. Cross. Denarius.

Gariel XXIX, 97 (Gariel Coll.).

Berlin: (PLATE XXXV).

III9. *Obv.*: +CIACIAD-IPLX. Karolus monogram.

Rev.: +DEISCOCVIVIO. Cross. Denarius.

Prou 979; Gariel XXIX, 98 (Gariel Coll.).

Paris: 1.35 gr.

III20. *Obv.*: +CRATIAD-IISEX. Karolus monogram.

Rev.: +FANVMMARII. Cross. Denarius.

RBN 1861, p. 237.

1121. *Obv.*: +CRACIADIREX. Karolus monogram.
Rev.: +GENCLIACOPAR. Cross. Denarius.
 Gariel XXIX, 115 (Brussels).
 Meyer Coll., 259; Bordeaux Coll., 257; Théry Coll., 451 (Bordeaux specimen).
 Paris: (951a) 1.65 gr. (PLATE XXXV); Berlin: 1.63 gr.; ANS: 1.71 gr.;
 Brussels: 1.62 gr.
Find: Glizy.
1122. *Obv.*: +CRACIADIBEX. Karolus monogram.
Rev.: +GENCLIACOPOR. Cross. Denarius.
 Gariel XXIX, 114 (Gariel Coll.).
 Gariel Coll., 946.
1123. *Obv.*: +CIRIVVIIAD-XE. Karolus monogram.
Rev.: +HINFISCOBA2TONIC. Cross. Denarius.
 Serrure (1882/3), p. 143, 9.
 Assen Museum: (1870-42) 1.45 gr.
Find: Roswinkel, 1.45 gr.
1124. *Obv.*: +CRATIAD-IREXFR. Karolus monogram.
Rev.: +INFISCOVENDRNT. Cross. Denarius.
 Prou 968, 969 (var., +INFISCOVENDRNT).
 Théry Coll., 499.
 Paris: 1.75 gr., 1.70 gr.; Brussels: (Inv. 122) 1.76 gr. (var.).
Find: Etampes; Courbanton III.
1125. *Obv.*: +CRATIAD-IREXFR. Karolus monogram.
Rev.: +INIISCOVFIDRNT. Cross. Denarius.
 Gariel XXXVI, 280 (Gariel Coll.).
 Gariel Coll., 1059; Meyer Coll., 315; Hamburger Nov. 1912, 83; Hamburger Nov. 1922, 238.
 Berlin: 1.48 gr., 1.63 gr. (PLATE XXXVI).
1126. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +INVICOVIOTO. Cross. Obolus.
 (Grunthal, p. 52, suggests an attribution to Visé near Liège).
 Prou 970 = Gariel XXXVI, 287. (Visé).
 Paris: 0.73 gr. (PLATE XXXVI).
Find: Glizy.
1127. *Obv.*: +CRATOAD-IREX. Karolus monogram.
Rev.: +INVICOVIOVIEO. Cross with one dot in each of two corners. Denarius.
 Gariel XXXVI, 286 (Gariel Coll.).
 Gariel Coll., 1061.
 Berlin: 1.47 gr.
Find: Arras.

1128. *Obv.*: +CIATIAD-IIPX. Karolus monogram.
Rev.: +INVICOLIIVI-IITO. Cross. Obolus.
 Gariel XXXVI, 288 (Gariel Coll.).
 Gariel Coll., 1063; Meyer Coll., 318.
 Berlin: 0.52 gr., 0.80 gr. (PLATE XXXVI).
Find.: Glizy.
1129. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +MEDENVITCVSI. Cross. Denarius.
Find.: Courbanton II; Courbanton III.
1130. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +MONETAINNIGELLA. Cross. Denarius.
 Gariel XXXI, 158 (Gariel Coll.).
 Gariel Coll., 974.
 Berlin: 1.10 gr.
1131. *Obv.*: Karolus monogram.
Rev.: ON/WC/AVP. Obolus.
 Gariel XXIV, 81.
1132. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +PORCOCASTELLO. Cross. Denarius.
 Prou 955, 956; Gariel XXVIII, 81 (Gariel Coll., var.); *BMS* 199.
 Gariel Coll., 925; Meyer Coll., 249; Hamburger Nov. 1912, 62; Münz.
 u. Med. Dec. 1948, 164; Théry Coll., 442.
 Paris: 1.74 gr., 1.39 gr.; Berlin: 1.71 gr. (PLATE XXXVI); BM: (Cuerdale) 1.74 gr.
Find.: Compiègne; Arras; Cuerdale.
1133. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +PORTAVIENS. Cross. Denarius.
Find.: Bourgneuf.
1134. *Obv.*: +GRA'TIAD-IREX. Karolus monogram.
Rev.: +RVLLCIVITAS. Cross. Denarius.
 (Grunthal, p. 52, suggests an attribution to Les Riez on the French-Belgium border).
 Prou 960.
 Paris: 1.53 gr. (PLATE XXXVI); Berlin: 1.08 gr. (fragment).
1135. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +RVVCIMONETA. Cross. Denarius.
 (Grunthal, p. 53, suggests an attribution to Roucy sur Aisne).
 Prou 958 = Gariel XXXIII, 203.
 Hamburger Nov. 1912, 76; Helbing Dec. 1917, 10.
 Paris: 1.72 gr. (PLATE XXXVI); ANS: 1.65 gr.

1136. *Obv.*: +CRACIAD-IREX. Karolus monogram.
Rev.: +RAVCIMONETE. Cross. Denarius.
 (Grunthal, p. 53, suggests an attribution to Roucy sur Aisne).
 Prou 959 = Gariel XXXIII, 202.
 Théry Coll., 502 (var. with +AVCIMIONETE).
 Paris: 1.65 gr. (PLATE XXXVI).
1137. *Obv.*: +TIAIIAI-IACIO. Karolus monogram.
Rev.: +RAVCIOPALATIO. Cross. Denarius.
 (Grunthal, p. 53, suggests an attribution to Roucy sur Aisne).
 Prou 957 = Gariel XXXIII, 204.
 Meyer Coll., 290; Schlessinger March 1930, 1510.
 Paris: 1.59 gr.; ANS: 1.69 gr., 1.52 gr., 1.59 gr., 1.62 gr., the last three
 with RAVCIDPALATI.
Find: Compiègne; "ANS Find."
1138. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +RVVCIMONITA. Cross. Denarius.
 (Grunthal, p. 53, suggests an attribution to Roucy sur Aisne).
 Prou 958 = Gariel XXXIII, 203.
 Paris: 1.72 gr.
- 1138a. *Obv.*: +VIATADERAIX. Karolus monogram.
Rev.: +RVVNRITATIVS. Cross with four dots. Denarius.
 ANS: 1.37 gr.
1139. *Obv.*: +CRACIAD-IREX. Karolus monogram.
Rev.: +RATIOMONETA. Cross. Denarius.
 Gariel XXXII, 174.
 Berlin: 1.67 gr.
1140. *Obv.*: +CRACIAD-IREX. Karolus monogram.
Rev.: +RAVCIOPALA2. Cross. Obolus.
 Gariel XXXII, 181.
 Berlin: 0.58 gr.
1141. *Obv.*: +CRATIADIREX. Karolus monogram
Rev.: +RAVCIOPALACII. Cross. Denarius.
 Gariel XXXII, 178.
 Théry Coll., 470.
 Berlin: 1.45 gr., 1.58 gr., 1.67 gr. (PLATE XXXVI); ANS: 1.49 gr.,
 1.60 gr.
Find: "ANS Find."
1142. *Obv.*: +CRATIADIREX. Karolus monogram.
Rev.: +RAVCIPALATINA. Cross. Denarius.
 Gariel XXXII, 179.
 Meyer Coll., 227.

1143. *Obv.*: +CRATIADIREX. Karolus monogram.
Rev.: +RAVCIOPALACIO. Cross. Denarius.
 Gariel XXXII, 180.
 Blaser-Frey June 1963, 19 (var. with RAVCIO PALVCO.).
 ANS: 1.35 gr., 1.50 gr., 1.50 gr., 1.51 gr., 1.51 gr., 1.53 gr., 1.63 gr.,
 1.67 gr., 1.67 gr., 1.68 gr., also a specimen 1.43 gr. with PALACO.
Find.: Bligny; Arras; "ANS Find."
1144. *Obv.*: +CRATIADIREX. Karolus monogram.
Rev.: +RAVCIOPALACIO. Cross. Denarius.
 Gariel XXXII, 181.
1145. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +S-CISEBASTIANIM. Cross. Denarius.
 Gariel XXXIV, 240 (Gariel Coll.); *BMS* 200.
 Gariel Coll., 1032; Meyer Coll., 302; DuLac Coll. II, 518; Théry Coll.,
 487.
 Paris: (287b) 1.75 gr.; Berlin: 1.74 gr. (PLATE XXXVI); ANS: 1.65
 gr., 1.75 gr.; BM: (SSB-127-63) 1.30 gr.
Find.: "ANS Find."
1146. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +SCISTEPAHNIMONE. Cross. Denarius.
 Prou 962; Gariel XXXIV, 224 (Gariel Coll.).
 Meyer Coll., 298; Cahn April 1929, 39; Helbing Oct. 1932, 893.
 Paris: 1.61 gr.; Berlin: 1.59 gr., 1.75 gr. (PLATE XXXVI); ANS: 1.38
 gr. (damaged).
Find.: Compiègne.
1147. *Obv.*: +CATIAD-IIPEX. Karolus monogram.
Rev.: +TRIODOROASTEI. Cross. Denarius.
 (Grunthal, p. 53, suggests an attribution to Tonnere in Burgundy).
 Prou 963.
 Paris: 1.64 gr.
1148. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +TVNIERASCIVITAS. Cross. Denarius.
 Prou 965; Gariel XXXV, 257 (Gariel Coll.).
 Frère, 2 (11 minor varieties); Rousseau Coll., 405bis.; Gariel Coll., 1041;
 Meyer Coll., 310; Kricheldorf May 1956, 354; Théry Coll., 491.
 Paris: 1.58 gr.; Berlin: 1.55 gr., 1.91 gr.; ANS: 1.48 gr. (damaged),
 1.50 gr. (TNERAS), 1.65 gr.; (PLATE XXXVI) Brussels: 1.26 gr., 1.52
 gr., (Inv. 124) 1.64 gr.; Munich: 0.90 gr.
Find.: Etampes; Glizy.
1149. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +TNERASCIVITAS. Cross. Obolus.

Gariel XXXV, 259 (Gariel Coll.).
Frère, 3; Rousseau Coll., 406; Gariel Coll., 1043.
Berlin: 0.67 gr.
Find: Bligny (?).

1150. *Obv.*: +CPATIAD-IDEX. Karolus monogram.
Rev.: +TVΞIISCIV'ITAS. Cross. Denarius.
Prou 964 = Gariel XXXVI, 269.
Frère, 2j.
Paris: 1.77 gr.

1151. *Obv.*: +CRATIVI-I...X. Karolus monogram.
Rev.: +VNIEI...IMTAS. Cross. Denarius.
Gariel XXXV, 258 (Gariel Coll.).
Frère, 2g; Gariel Coll., 1042; Bordeaux Coll., 276.
Brussels: 1.24 gr. (Gariel specimen).

1152. *Obv.*: Karolus monogram.
Rev.: +VCRIASIER. Cross. Obolus.
Gariel XXIV, 84 (Gariel Coll.).
Berlin: 0.80 gr.

1153. *Obv.*: +CARLVSREXFRANCO. Cross with one dot in each corner.
Rev.: XPISTIANARELIGIO. Temple. Denarius.
Prou 1066.
Paris: 1.59 gr.; Brussels: 1.34 gr.; Groningen Museum: (A1929) 1.71 gr.
Find: Pilligerheck (var., +CARLVSRE+FRAHO;+PISTIANAREIICIO)
1.56 gr.

1154. *Obv.*: +CARLVSREXFRA. Cross with one dot in each corner.
Rev.: XPISTIANARELIGIO. Temple. Denarius.
Prou 1060, 1061; Gariel XXI, 23 (var. with XPISTIANARELIGIO.
Achlum find).
Kress Oct. 1960, 1450.
Paris: 1.62 gr., 1.48 gr.
Find: Ballon; Achlum; Chamoux-Marcilly; Ide, 1.43 gr.

1155. *Obv.*: +NKARLVSREIFR. Cross with one dot in each corner.
Rev.: XPISTIANARELIGIO. Temple. Denarius.
Prou 1058; Gariel XLV, 60 (Gemain Coll.).
Paris: 1.70 gr.

1156. *Obv.*: CARLVSRL+. Temple.
Rev.: +PISTIANARELICIO. Cross with one dot in each corner.
Denarius.
Gariel XLV, 63 (Gariel Coll.).
Find: Szentes.

1157. *Obv.*: +CARLVSRXFR. Cross with one dot in each corner.
Rev.: XPISTIANARELIGIO. Temple. Denarius.
 Prou 1057, 1064, 1065; Gariel XXI, 22 (Achlum find), XLV, 61 (Gariel Coll.); *BMS* 201, 202.
 Paris: 1.64 gr., 1.64 gr., 1.63 gr.; Berlin: 1.38 gr., 1.43 gr., 1.52 gr., 1.66 gr., 1.72 gr. (PLATE XXXVI); BM: (SSB-127-70) 1.44 gr., (57-9-1-29-IGP) 1.73 gr.; Assen Museum: (M1872-4c) 1.49 gr., (M1872-3) 1.56 gr., (M1872-3a) 1.60 gr., (1872-4) 1.65 gr.; Brussels: (Inv. 128) 1.68 gr., 1.77 gr., and one additional fragment, unweighed; Copenhagen: (Promsen 12643) 1.58 gr.; The Hague: (620) 0.79 gr., (Inv. 17656) 1.15 gr., (Inv. 1931:292) 1.40 gr. (Inv. 17655) 1.50 gr., (606) 1.57 gr., (Inv. 1931:293) 1.60 gr., (619) 1.85 gr.; Papadopoli: (173) 1.16 gr.; Van Rede: (B1246) 1.20 gr.
Find.: Indre; Oudwoude; Kimsword-Pingjum I; Fontaines; Morsen; Birka; Achlum; Lauzès, 1.44 gr.; Zelzate; Ide; Wagenbogen; Emmen; Muizon-lez-Malines, 1.21 gr., 1.37 gr., 1.39 gr., 1.50 gr., 1.70 gr.; Bourgneuf.
1158. *Obv.*: +CARLVSRXFR. Cross with one dot in each corner.
Rev.: XPISTIANAREIGIO. Temple. Obolus.
 Prou 1059.
 Paris: 0.80 gr.; Brussels: 0.56 gr. (damaged).
Find.: Chamoux-Marcilly.
1159. *Obv.*: +CARLVSRXFR. Cross with one dot in each corner.
Rev.: XPISTIANAREL'CIO. Temple. Denarius.
 Prou 1062, 1063 (var., +CALVSREXFR).
 Assen Museum: (M1892-3d) 1.80 gr.; Blunt: 1.37 gr. (damaged); Brussels: (Inv. 126) 1.53 gr., (Inv. 125) 1.59 gr.; Grierson: 1.33 gr., 1.48 gr., 1.65 gr., 1.67 gr.; The Hague: (Inv. 17652) 1.10 gr., (Inv. 17653) 1.70 gr., (Inv. 17654) 1.50 gr.
Find.: Croydon; Wagenbogen.
1160. *Obv.*: +HKARLVSRXFR. Cross with one dot in each corner.
Rev.: XPISTIANARELICIO. Temple. Denarius.
 Van Rede: (B1245) 1.55 gr.
1161. *Obv.*: +CARLVSRXER. Cross with one dot in each corner.
Rev.: XPISTIANARELIGIO. Temple. Obolus.
 Gariel XLV, 66 (Gariel Coll.), 65 (Gariel Coll., var., +CRLVSRE+FR.).
 Berlin: 0.71 gr., 0.83 gr. (PLATE XXXVI); Munich: 0.29 gr., 0.67 gr.
Find.: Zelzate.
1162. *Obv.*: +CAROLVSRXE. Cross with one dot in each corner.
Rev.: XRISTIANARELICIO. Temple. Denarius.
 Gariel XXI, 24 (Achlum find).
Find.: Achlum.
1163. *Obv.*: +HKARLVSRXFR. Cross with one dot in each corner.
Rev.: XRISTIANARIICIO. Temple. Denarius.
 Brussels: 1.28 gr.

1164. *Obv.*: +CARLV SREXFR. Cross with one dot in each corner.
Rev.: +PISTIANARELICIO. Temple, with one dot beneath. Denarius.
Find.: Kimsward-Pingjum II; Pilligerheck (var. +CARLV SREX).
1165. *Obv.*: +CARLV SREXFR. Cross with one dot in each corner.
Rev.: +PISTIANARELICIO. Temple, with chevron beneath. Denarius.
 Brussels: (Inv. 127) 1.56 gr.
Find.: Kimsward-Pingjum II; Bourgneuf.
1166. *Obv.*: +CAROLV SREXFR. Cross with one dot in each corner.
Rev.: XPISTIANAREII GIO. Temple with three dots, triangularly arranged beneath. Denarius.
 The Hague: (Inv. 17657) 1.02 gr. (broken).
Find.: Wagenbogen.
1167. *Obv.*: +CAROLV SREX. Cross with one dot in each of three corners and three dots, triangularly arranged in the fourth.
Rev.: XPISTIANAREII GIO. Temple, with one dot at each side, and three dots, triangularly arranged, beneath. Denarius.
 Prou 189 = Gariel XLV, 64. (Attributed by Prou to Quentovic.)
 Paris: 1.33 gr.
Find.: Pilligerheck, 1.45 gr.
1168. *Obv.*: +HKARLV SREIFR. Cross with one dot in each corner.
Rev.: XRISTIANARELICIO. Temple. Broad-flan denarius.
 CNI V, p. 24, 1.
 The Hague: (Inv. 1936:880), 1.05 gr., (Inv. 1936:881) 1.35 gr.
Find.: Ilanz I.
1169. *Obv.*: +CARLV SREXFR. Cross with one dot in each corner.
Rev.: XPISTIANARELICIO. Temple. Broad-flan denarius.
 CNI V, p. 24, 2.
1170. *Obv.*: +KAROLV SREX. Cross with one dot in each corner.
Rev.: XPISTIANARELICIO. Temple. Broad-flan denarius.
 CNI V, p. 24, 3.
 Papadopoli: (183) 1.52 gr.
Find.: Odoorn.
1171. *Obv.*: +H CAROLV SREX. Cross with one dot in each corner.
Rev.: XPISTIANAREII CIO. Temple. Broad-flan denarius.
 CNI V, p. 25, 4.
 Papadopoli: (184) 1.58 gr.

EMPEROR LOUIS II (855–875)

Italy

BENEVENTUM

1172. *Obv.*: +LVDOVVICVSIIIPE. Eight-armed cross or star.
Rev.: +BENEVENTVCIBI. Temple. Denarius.
CNI XVIII, p. 184, 32.
1173. *Obv.*: +LVDOVVICVSIIIPE. Eight-armed cross or star.
Rev.: +BENEVENTVCIB. Temple. Denarius.
CNI XVIII, p. 184, 33.
 Grierson: 0.87 gr., 0.88 gr., 0.97 gr.; Berlin: (PLATE XXXVII).
1174. *Obv.*: +LVDOVVICVSIIIPE. Eight-armed cross or star.
Rev.: +BENEVENTVMB. Temple. Denarius.
 Berlin: 1.02 gr.
1175. *Obv.*: +HLVDOVICSIMPR. Cross.
Rev.: BENE/BEN/TVM. Denarius.
CNI XVIII, p. 185, 36, 37.

Indeterminate Mints

1176. *Obv.*: +DOMLVDDVICVS. IMP, in field.
Rev.: +DMAANGILBERGA. IMP, in field. Denarius.
 Gariel LXI, 17 (Gariel Coll.).
CNI XVIII, p. 185, 38, 39, 40.
 Berlin: 1.12 gr. (PLATE XXXVII).
1177. *Obv.*: +LVDOVVICVSINP. Cross on three steps.
Rev.: +/ANGIL/BERGA/INP. Denarius.
CNI XVIII, p. 185, 41.
1178. *Obv.*: +LVDOVVICVSINP. Cross on three steps.
Rev.: +ANGILBERGANP. Patriarchal cross. Denarius.
 Gariel LXI, 18 (Gariel Coll.).
CNI XVIII, p. 185f., 42, 43, 44, 45, 46, 47.
 Berlin: 1.10 gr., 1.11 gr., (PLATE XXXVII); ANS: 1.14 gr., 0.92 gr.;
 Brussels: 0.78 gr.
1179. *Obv.*: +LVDOVVICVSIIPE. A, G, V, S, in cruciform pattern.
Rev.: +ANGILBERGAIPE. AGV/STA in field. Denarius.
 Gariel LXI, 19 (Gariel Coll.).
CNI XVIII, p. 186f., 48, 49, 50, 51, 52, 53, 54.
 Berlin: 0.80 gr., 0.82 gr.; ANS: 0.96 gr. (PLATE XXXVII).

1180. *Obv.*: +LVDOVICVSIMPE. Symmetrical pattern with the letters A and R.
Rev.: +ADELHICPRINCES. Cross, with the letters M and H. Denarius.
 Gariel LXI, 16 (Gariel Coll.).
 CNI XVIII, p. 184, 29; Gariel Coll., 1347.
 Berlin: 1.05 gr. (PLATE XXXVII).
1181. *Obv.*: I/LVDO/VVICV/'P'.
Rev.: +ARHANGEMIHAEL. P/ADEL/R in field. Denarius.
 CNI XVIII, p. 184, 30, 31.
1182. *Obv.*: +II /LVDO/ •/VVICV/Ps.
Rev.: +XPSTIANARELIGI. Cross, with ω and A. Denarius.
 CNI XVIII, p. 185, 34, 35.
Find: Sarydworek.

LOTHAIRE II (855-869)

PALACE

- 1182a. *Obv.*: +IOTAHVSIEIX (retrograde). Cross.
Rev.: PAI/THIA. Obolus.
 Dorset County Museum: 0.73 gr.
Find: Pin's Knoll (Dorset). When offered to the Bibliothèque Nationale, this coin was condemned as a nineteenth-century forgery. After careful enquiry into its provenance, followed by scientific analysis of fabric and surface texture, the laboratory service of the BM has judged it authentic and found its condition fully consonant with burial for more than one thousand years.

Alsace

STRASSBURG

1183. *Obv.*: +HLOTHARIVSREX. Cross.
Rev.: STRAZB/CIVITAS. Denarius.
 Prou 47 = Gariel LX, 2.
 Paris: 1.57 gr. (PLATE XXXVII).

Lorraine

AACHEN

1184. *Obv.*: +LOTAPIVSCPACIADI. Cross, with one dot in each corner.
Rev.: Aꝶ IISCPANIPALACIA. Temple. Denarius.
 The Hague: (Inv. 17640) 1.70 gr. (PLATE XXXVII).
Find: Midlaren.

TRIER

1185. *Obv.*: +LOTARIVSREX. Cross.
Rev.: TREV/ ERIS. Denarius.
 Gariel LX, 3 (Gariel Coll.).
 Gariel Coll., 1331; Meyer Coll., 476; Hess 1905, 32.
 Berlin: 1.36 gr. (PLATE XXXVII); Brussels: (Inv. 129b) 0.68 gr.

METZ

1186. *Obv.*: +HOTHARIVSREX. Cross with two dots in each corner.
Rev.: METTISCIVITAS. Temple. Denarius.
 Gariel LX, 1 (Robert, pl. XIII, 8).
 Robert Coll., 395; Münz. u. Med. June 1951, 373; Cahn Mar. 1913, 14;
 Ciani June 1934, 399. The coins which appeared in the trade are
 forgeries, cf. P. Grierson, *ANSCent. Publ.*, p. 313, 7.
 Berlin: 1.73 gr. (PLATE XXXVII).

VERDUN

1187. *Obv.*: +HLOTHARIVSREX. Cross with one dot in each corner.
Rev.: VIRIDVNVMCIVIS. Temple with cross incised on steps.
 Denarius.
Find: Pilligerheck, 1.17 gr., 1.25 gr., 1.33 gr., 1.37 gr.
- 1187a. *Obv.*: +HLOTHARIVSREX. Cross with one dot in each corner.
Rev.: VIRIRVNVMCIVIS. Temple. Denarius.
 Prou 149.
 Paris: 1.54 gr.; The Hague: (17560) 1.60 gr.
Find: Wagenbogen.
1188. *Obv.*: +HLOTHARVSREX. Cross with one dot in each corner.
Rev.: VIRIDVNVMCIVIS. Temple. Denarius.
 Prou 148; Gariel LX, 4 (Gariel Coll.).
 Gariel Coll., 1332; Meyer Coll., 477; Bordeaux Coll., 387; Hamburger
 Nov. 1912, 133; Ratto Dec. 1930, 2606.
 Paris: 1.31 gr.; Berlin: 0.94 gr., 0.96 gr.; Brussels: 1.39 gr.
1189. *Obv.*: +HLðTHARVSREX. Cross with one dot in each corner.
Rev.: VIRI+DVNVMCIVIS. Temple. Denarius.
 Gariel LX, 5 (Robert, pl. XIII, 12).
Find: Ide, 1.56 gr. (var. HLðTHRIVSREX; +VIRIPVNVMCIVIS).

Indeterminate Mints

1190. *Obv.*: +HLOTHARIVSREX. Cross with one dot in each corner.
Rev.: XRISTIANARELIGIO. Temple. Denarius.

Gariel LX, 6 (Gariel Coll.).

Berlin: 1.21 gr.; The Hague: (Inv. 17736, var. +HLOTHVRIVSREX) 0.85 gr.

Find: York; Wagenbogen.

1191. *Obv.*: +LOTARIIREGISINSIGNE. Cross with one dot in each corner.

Rev.: +SCIPHILIBERTIMONETA. Lotarius monogram. Denarius.

Gariel LVII, 25 (Gariel Coll.).

Gariel Coll., 1305; Bordeaux Coll., 371.

Berlin: 1.40 gr.

1192. *Obv.*: +LOTARIIREGISINSIGNE. Cross with one dot in each corner.

Rev.: SCIPHILIBERTION. Lotarius monogram. Obolus.

Gariel LVII, 26 (Gariel Coll.).

Gariel Coll., 1306.

Berlin: 0.65 gr.

CHARLES THE CHILD, KING OF AQUITAINE (855–863)

PALACE

1193. *Obv.*: +CAROLVSREXEQ. Karolus monogram.

Rev.: +PALATINAMOI'E. Cross. Obolus.

Gariel XXIV, 85 (Gariel Coll.).

Gariel Coll., 867.

Berlin: 0.79 gr. (PLATE XXXVII).

CARLOMAN (879–884)

Neustria

CHATEAU LONDON

1194. *Obv.*: +CARIEII'ADOICEI. Karolus monogram.

Rev.: +CASTISII'AIEN' Cross. Denarius.

Prou 536 = Gariel XXXIX, 10 (and one additional exemplar ex Gariel Coll.).

Gariel Coll., 1118.

Paris: 1.77 gr.; Berlin: (PLATE XXXVIII).

Burgundy

TROYES

1195. *Obv.*: +CARLENAMREX. Karolus monogram.
Rev.: +TRECASCIVITAS. Cross. Denarius.
 Prou 545; Gariel XXIX, 22 (Gariel Coll.).
 Gariel Coll., 1123.
 Paris: 1.62 gr.; Berlin: 1.75 gr. (PLATE XXXVIII); ANS: 1.57 gr.
Find.: Troyes; "ANS Find."
1196. *Obv.*: +ICRLIMANSREI. Karolus monogram.
Rev.: +TRICASCIVITS. Cross. Denarius.
 Gariel XXXIX, 23 (Combrouse, pl. XXXI, 8).
 Meyer Coll., 339.

AUXERRE

1197. *Obv.*: +ICARLEMANVSR. Cross.
Rev.: +CIVISAVTISSIDER. Karolus monogram. Denarius.
 Prou 590, 591; Gariel XXXIX, 9 (var., +CIVISAVTI22IDER).
 Gariel Coll., 177; Hamburger Nov. 1912, 90; Hess, Lucerne July 1933,
 95; Kricheldorf Nov. 1960, 312.
 Paris: 1.66 gr., 1.70 gr.; Berlin: 1.33 gr. (PLATE XXXVIII); ANS:
 1.35 gr., 1.53 gr., 1.63 gr., 1.63 gr.
Find.: Etampes; "ANS Find."

AUTUN (?)

1198. *Obv.*: +CARLOMIINVS. REX, in monogram.
Rev.: +EDVACIVITHS. Cross with one circlet in each of two
 diagonal corners. Denarius.
 Gariel XXXIX, 8 (Gariel Coll.).
 Gariel Coll., 1116.
 Berlin: 0.93 gr. (PLATE XXXVIII).

Aquitaine

MELLE

1199. *Obv.*: +CARLOMANRX. Cross.
Rev.: +MET+VLLO. Karlous monogram. Denarius.
Find.: Bonnevaux.
1200. *Obv.*: +CARLEMAMRE. Cross.
Rev.: +AIET+VLLO. Karolus monogram. Denarius.
 Gariel XXXIX, 13 (de Ferrary Coll.).
 Berlin: 1.60 gr. (PLATE XXXVIII).

LIMOGES

1201. *Obv.*: +CARLOMANRX. Cross.

Rev.: +LIMOVXCIVIS. Karolus monogram. Denarius.

Prou 777; Gariel XXXIX, 11 (Gariel Coll.); *BMS* 206.

Rousseau Coll., 443-445; Gariel Coll., 1119; Meyer Coll., 334; Norman, Coll., 548; Bordeaux Coll., 310.

Paris: 1.71 gr.; Berlin: 1.70 gr.; ANS: 1.33 gr. (PLATE XXXVIII); Bodleian/Ashmolean; BM: (38-7-10-1187-Cuerdale) 1.74 gr.; Dickie: 1.79 gr.; Hermitage: 1.79 gr.; Nelson: (53.114.1872).

Find: Bonnevaux; Cuerdale.

1202. *Obv.*: +CARLOMANRX. Cross.

Rev.: +LIMOVXCIVIS. Karolus monogram. Obolus.

Prou 778 = Gariel XXXIX, 12.

Paris: 0.87 gr. (PLATE XXXVIII).

Find: Bonnevaux.

Toulousain

TOULOUSE

1203. *Obv.*: +CARLAMANSRE. Cross.

Rev.: +TOLOSACIVI. Karolus monogram. Denarius.

Prou 819; Gariel XXXIX, 20 (Gariel Coll.).

Gariel Coll., 1122.

Paris: 1.83 gr.; Berlin: 1.69 gr., 1.83 gr. (PLATE XXXVIII); Copenhagen: (K. P. 841) 1.72 gr.

Find: Bonnevaux (?).

1204. *Obv.*: +CARLOMANRE. Cross.

Rev.: +TOLOSACIVI. Karolus monogram. Denarius.

Prou 820 = Gariel XXXIX, 21.

Meyer Coll., 338.

Paris: 1.72 gr.

Septimania

SUBSTANTIONE

1205. *Obv.*: +CARLEMANREX. Cross.

Rev.: +SV2TANCIONE. Karolus monogram. Denarius.

Prou 840.

Paris: 1.70 gr.; Berlin: 1.95 gr. (PLATE XXXVIII).

Find: Avignon.

1206. *Obv.*: +CARLEMANRE. Cross.
Rev.: +2V2TANCIONE. Karolus monogram. Denarius.
 Prou 841; Gariel XXXIX, 19 (Musée de Avignon).
 Meyer Coll., 337; Théry Coll., 515 (ex Meyer).
 Paris: 1.66 gr.; Grierson: 1.53 gr.

Provence

ARLES

1207. *Obv.*: +CARLEMAIVSRE. Cross.
Rev.: +ARLEACIVIISX. Karolus monogram. Denarius.
 Prou 865.
 Paris: 1.60 gr.; Copenhagen: (Rollin, 1852) 1.58 gr. (PLATE XXXVIII).
1208. *Obv.*: +CARLEIIAIVSPE. Cross.
Rev.: +AΓIIACIVI2+. Karolus monogram. Denarius.
 Prou 866, 867, 868; Gariel XXXIX, 3 (Musée de Avignon); BMS 207.
 Hirsch Nov. 1958, 741; Cahn Dec. 1932, 305, 1306.
 Paris: 1.57 gr., 1.63 gr., 1.63 gr.; ANS: 1.69 gr. (PLATE XXXVIII);
 BM: (57-9-1-41) 1.68 gr.; Garrett: (6143) 1.58 gr.; Hermitage: 1.33 gr.; Vienna: 1.65 gr.
1209. *Obv.*: +CARLEMANNV2II. Cross.
Rev.: +ALEACIVI2+. Karolus monogram. Denarius.
 Gariel XXXIX, 2 (Musée d'Avignon).
 Berlin: 1.57 gr.
Find.: Avignon.
1210. *Obv.*: +CARLEMANVSPE. Cross.
Rev.: +SIVICAIIA+. Karolus monogram. Denarius.
 Gariel XXXIX, 5 (Musée d'Avignon and Gariel Coll.).
 Hess April 1928, 3695.
1211. *Obv.*: +CARLEMANVSRE. Cross.
Rev.: +ARELACIVIS+. Karolus monogram. Denarius.
 Prou 863; Gariel XXXIX, 1 (Musée d'Avignon), 4 (Gariel Coll., var.).
 Rousseau Coll., 442; Bordeaux Coll., 306; Deglatigny Coll., 275; Ham-
 burger Nov. 1912, 89; Cahn Dec. 1932, 1304; Lockett Coll., 354.
Find.: Avignon.
1212. *Obv.*: +CAREIIAIII+. Cross.
Rev.: +ARELACIVIS+. Karolus monogram. Obolus.
 Gariel XXXIX, 7 (Musée d'Avignon).

1213. *Obv.*: +CARLEMANVSRE. Cross.
Rev.: +ARLEACIVISX. Karolus monogram. Denarius.
 Prou 864.
 Paris: 1.56 gr.
1214. Same as foregoing. Obolus.
 Gariel XXXIX, 6 (Gariel Coll.).
 Gariel Coll., 1114, 1115.
 Berlin: 0.74 gr., 0.77 gr. (PLATE XXXVIII).
1215. *Obv.*: +CARLEMANNVSREX. Cross.
Rev.: +ARELACIVISX. Karolus monogram. Denarius.
Comptes rendus de la Société de Numismatique, 1909, pl. II.
 Bordeaux Coll., 307; Meyer Coll., 332.

Indeterminate Mints

1216. *Obv.*: +CLAROMVNX. Karolus monogram.
Rev.: +DIVIOH. Cross. Denarius.
Find: Bourgneuf.
- Nos. 1217–1222 may represent issues of Carloman of Bavaria, the son of Louis the German.
1217. *Obv.*: +CARLOMANREX. Cross with one dot in each corner.
Rev.: +PISTIANREIIICIO. Temple with cross incised on the lowest step. Broad-flan denarius.
 Gariel LXII, 1 (Gariel Coll.); *BMS* 203.
CNI V, p. 23, 1–5, 7; *Hamburger* January 1902, 3968, 3969, 3970; *Hess Oct.* 1904, 20; *Hamburger* 1912, 134; *Helbing Dec.* 1913, 3.
 Berlin: 1.28 gr., 1.40 gr., 1.46 gr., 1.48 gr., 1.54 gr., 1.68 gr., 1.70 gr., 1.79 gr., 1.89 gr.; *ANS*: 1.68 gr.; *BM*: (57–9–1–38–IGP) 1.68 gr.; *Brussels*: 1.92 gr.; *Groningen Museum*: (1104) 1.51 gr.; *Munich*: 1.53 gr.; *Papadopoli*: (180) 1.78 gr.; *Vienna*: 1.99 gr.
1218. *Obv.*: +hCARLOMANREX. Cross with one dot in each corner.
Rev.: XRISTIANAREIIIGIO. Temple. Broad-flan denarius.
CNI V, p. 457, 3^a.
1219. *Obv.*: +CARELEMANVSREX. Cross with one dot in each corner.
Rev.: XPISTIANARELICIO. Temple. Broad-flan denarius.
BMS 204, 205.
CNI V, p. 23, 6.
BM: (57–9–1–39–IGP) 1.79 gr., (57–9–1–40–IGP) 1.58 gr.
Find: Ilanz I.

1220. *Obv.*: +HCAR+EMANNVSRE. Cross with one dot in each corner.
Rev.: XPISTIANARELICIO. Temple. Broad-flan denarius.
CNI V, p. 24, 8, 9.
 Copenhagen: (T.1255) 1.37 gr. (PLATE XXXVIII).
1221. *Obv.*: +CARLEMANNVSRI. Cross with one dot in each corner.
Rev.: XPISTIANARELICIO. Temple. Broad-flan denarius.
CNI V, p. 24, 10.
 Papadopoli: (181) 1.98 gr.
1222. *Obv.*: +KARHELMANREX. Cross with one dot in each corner.
Rev.: XPISTIANARLIICIO. Temple. Broad-flan denarius.
CNI V, p. 24, 11.
 Copenhagen: (Rollin 1852) 2.09 gr.; Papadopoli: (182) 1.60 gr.

LOUIS II (877–879) or LOUIS III (879–882)

PALACE

1223. *Obv.*: +LVDOVVICVSREX. Cross.
Rev.: +PALATINAMONETĀ. Karolus monogram. Denarius.
 Gariel XXXVIII, 8 (Gariel Coll. and Hoffmann stock).
 Gariel Coll., 1083.
 Berlin: 1.53 gr.
Find.: Etampes.
1224. *Obv.*: +MISIRICORDIAD-IREX. Ludovicus monogram.
Rev.: +PALATINAMONET. Cross. Denarius.
 Prou 26 = Gariel XXXVIII, 4.
 Paris: 1.54 gr. (PLATE XXXIX).
Find.: Courbanton III.
1225. *Obv.*: +CRATIADI-IREX. Ludovicus monogram.
Rev.: +DALATINAMONE. Cross. Denarius.
 Gariel XXXVIII, 3 (Gariel Coll.).
 Gariel Coll., 1103; Bordeaux Coll., 303.
 Berlin: 1.62 gr.
Find.: Arras.

Lorraine

MAASTRICHT

1226. *Obv.*: +HLVDOVVICVSPEX. Karolus monogram.
Rev.: +INVICOTRIIECTO. Cross. Obolus.
 Prou 92 = Gariel XXXVIII, 7.
 Paris: 0.73 gr. (PLATE XXXIX).

VISÉ

1227. *Obv.*: +HLVDOVVICVSREX. Karolus monogram.

Rev.: +INVICOVIOSATO. Cross. Denarius.

Prou 93. *Bulletin mensuel de numismatique et d'archéologie* (1882/3), p. 54 (de Jonghe Coll.). Théry Coll., 511.

Paris: 1.63 gr.; Berlin: 1.16 gr. (PLATE XXXIX); Assen Museum: (M1870-5c) 0.94 gr., (var. +INVICOVIOSAO), (M1870-5d) 1.00 gr. (var. +INVICOVIOISTO), (M1870-5b) 1.15 gr. (var. +HLVDOVVICS-VIF, retrograde, +INVICOVIOISTO), (M1870-5a) 1.16 gr.; Brussels: (Inv. 131) 1.70 gr., 1.45 gr.; The Hague: (Inv. 1931:276) 1.30 gr. (+HLVDOVVICVSRH+).

Find: Roswinkel; Glizy.

1228. Same as foregoing. Obolus.

Gariel XXXVIII, 9 (Gariel Coll.).

Brussels: (Inv. 132) 0.74 gr.

Find: Compiègne.

1229. *Obv.*: +LVDOVVICVSRE. Karolus monogram.

Rev.: +INVICOVIOSATO. Cross. Denarius.

Gariel XXXVIII, 9 (Brussels).

Gariel Coll., 1106; Meyer Coll., 330; Bordeaux Coll., 304.

Assen Museum: (M1870-5) 1.07 gr. (+LVDOVVICVSREX); Brussels: 1.16 gr.

Find: Roswinkel.

1230. *Obv.*: +HIVDOVVICVSR. Karolus monogram.

Rev.: +IHVICOVIOSATO. Cross. Obolus.

Prou 94.

Théry Coll., 512.

Paris: 0.60 gr.; Brussels: 0.46 gr. (PLATE XXXIX, slightly enlarged).

Find: Glizy.

HUY (?)

1231. *Obv.*: +LVDOVVICVSREX. Cross with one dot in each corner.

Rev.: +INVICOHOQIO. Cross with one dot in one corner. Denarius.

Gariel LV, 9 (Gariel Coll.).

Gariel Coll., 1268; Meyer Coll., 439.

Berlin: 1.21 gr.

1232. *Obv.*: +HLVDOVVCREX. Karolus monogram.

Rev.: +INVICOHOIO. Cross. Obolus.

Prou 99 = Gariel XXXVIII, 6.

Paris: 0.65 gr. (PLATE XXXIX).

1233. *Obv.*: +LVDOVVICVSREX. Cross with one dot in each corner.
Rev.: +INVICOHOBIO. Cross with one dot in one corner. Denarius.
 Gariel XXXVIII, 5 (Brussels).
 Paris: (99a) 1.30 gr.; Brussels: 1.34 gr., (Inv. 136) 1.35 gr. (+IIIVICOHOD^oIO).
1234. *Obv.*: +LVDOVVICVSREX. Cross with one dot in each corner.
Rev.: +INVICOHODMO. Cross. Denarius.
 Gariel LXIV, 15 (Brussels, probably the second entry under "Brussels," No. 1233 above.)

NAMUR

1235. *Obv.*: +CRATIADIDSE+. Ludovicus monogram.
Rev.: INVICONĀMVCO. Cross with one dot in each of two diagonal corners. Denarius.
RBN 1852, p. 141, pl. III, 6.
1236. *Obv.*: +CRATIADIREX. Cross with the letters RE attached, and X, V, and a dot, each in one corner.
Rev.: +INVICONĀMVCO. Cross with one dot in each of two diagonal corners. Denarius.
 Gariel LXVI, 13 (Musée de Namur); *BMS* 208.
BM: (38-7-10-1207 Cuerdale, fragment) 1.62 gr.
Find: Cuerdale, see also no. 1563.
1237. *Obv.*: ...RATIADIR'S. Cross, as in foregoing entry.
Rev.: +INVICONĀM... Cross with one dot in each corner. Denarius.
 Gariel LXIV, 14 (Cuerdale find).
Find: Cuerdale.
1238. *Obv.*: +HLVIDOVVICSOVI. Karolus monogram.
Rev.: +INVICONANVCO. Cross with one ball in each of two diagonal corners. Denarius.
 Kricheldorf June 1961, 331.
ANS: 1.52 gr. (PLATE XXXIX); Brussels: 1.58 gr.
1239. *Obv.*: +HLVIDOVVICVSO. Cross, with the letters RE attached, and X, V, and a dot, each in one corner.
Rev.: +IIIVICOHAIIVC;O. Cross with one dot in each of two diagonal corners. Denarius.
 Prou 103; Gariel LXIV, 12 (Musée de Namur, var.).
 Paris: 0.96 gr.

TRIER

1240. *Obv.*: +LVDOVVICVSREX. Cross with one dot in each corner.
Rev.: TREV/•/ERIS. Obolus.
RBN 1893, p. 330f.
 Bordeaux Coll., 389.
RBN: 0.61 gr.

METZ

1241. *Obv.*: +CRATIAD-REX. LVDOVVICVS in circular legend around a cross.
Rev.: +MLTTISCIVITAS. Cross with two dots in each corner.
 Denarius.
 Prou 130; Gariel XXXVIII, 2 (Gariel Coll.).
 Gariel Coll., 1102; Meyer Coll., 474; Schulman June 1939, 492.
 Paris: 1.74 gr. (PLATE XXXIX); Berlin: 1.68 gr.
Find: Bligny.
1242. *Obv.*: +HLVDOVVICVSREX. Cross with one dot in each corner.
Rev.: +METTISCIVITAS. Temple. Denarius.
 Gariel LXIV, 8 (*RN* 1866, p. 169).
Find: Saumeray.

MARSAL

1243. *Obv.*: +GRATIAD-REX. LVDOVVICVS in circular legend around a cross.
Rev.: +MARSALLOVICO. Cross. Denarius.
 Prou 134, 135; Gariel XXXVIII, 1 (Gariel Coll.).
 Gariel Coll., 1101; Meyer Coll., 473.
 Paris: 1.58 gr., 1.44 gr.; Berlin: 1.57 gr., 1.57 gr., 1.67 gr.
Find: Bligny; Etampes (?); Courbanton III; Glizy.

Francia

ST. PIERRE (CORBIE)

1244. *Obv.*: +MISERICORDIAD-IREX. Ludovicus monogram.
Rev.: SCIPETRIMONETA. Cross. Denarius.
 Paris: (243a) 1.65 gr.

PIERREPONT

1245. *Obv.*: +CRATADI-REX. Ludovicus monogram.
Rev.: +PETREPONTEM. Cross. Denarius.
 Prou 276 = Gariel XXXVIII, 9 (Mathon Coll.).
 Gariel Coll., 1094.
 Paris: 1.14 gr.; Berlin: 0.75 gr.

RHEIMS

1246. *Obv.*: +CRACIADI/+PEX. LODVIS and three dots in circular legend.
Rev.: +REMISCIVITAS. Cross with one dot in one corner and one cross in its diagonal corner. Denarius.
 Gariel LV, 24 (Gariel Coll.).
1247. *Obv.*: +CRACIIIADIRX. LODVIS in circular legend.
Rev.: +REMISCIVITAS. Cross with one crescent in one corner and one cross in its diagonal corner. Denarius.
 Gariel LVI, 26 (Musée de Reims).
1248. *Obv.*: +GRAITIAEREX. I- VDOC in circular legend around a dot.
Rev.: +REMISCIVITAS. Cross with S in one corner. Denarius.
 Gariel LV, 23 (Musée de Reims).
 Gariel Coll., 1271; Meyer Coll., 441,442; Münz. u. Med. June 1951, 376.
1249. *Obv.*: +CRAITIAERIX. IVDOC in circular legend around a dot.
Rev.: REMISCIVITAS. Cross with S in one corner. Denarius.
 Gariel LVIII, 4 (Maxe-Werly, p. 85, pl. III, 15).
 ANS: 1.05 gr.
1250. *Obv.*: +CIA...DEIREX. LVDS-, in circular legend around a dot.
Rev.: +REMISCIVITAS. Cross with one dot in each of two diagonal corners, and one C in each of the others. Denarius.
 Prou 307; Gariel LVI, 25 (Maxe-Werly, p. 85, pl. III, 13).
 Paris: 0.72 gr.

PARIS

1251. *Obv.*: +GRATIAD-IREX. LODOVIC in circular legend around a dot.
Rev.: + / PARIS/ line of dots / CIVITA/ +. Denarius.
 Prou 341; Gariel LV, 22 (Gariel Coll). Cf. Gariel LV, 21 (Poey d'Avant, no. 3).
 Hamburger Nov. 1912, 112; Cahn Dec. 1932, 1338; Hess, Lucerne July 1933, 100; Münzhandl. Basel Oct. 1936, 323; Münz. u. Med. July 1955, 504; Kress Oct. 1960, 1512.
 Paris: 1.10 gr.; Berlin: 1.11 gr., 1.22 gr. (PLATE XXXIX); ANS: 0.90 gr.
1252. *Obv.*: +CRATIAD-IREX. LODOVIC in circular legend around a dot.
Rev.: +PARISIICIVITAS. Cross. Denarius.
 Dickie: 1.01 gr. (damaged).

1253. *Obv.*: +CRATIADI IREX. Ludovicus monogram.
Rev.: +PARISIICIVITAS. Cross. Denarius (?).
 Rousseau Coll., 526.

PROVINS

1254. *Obv.*: +CRATIAD-IREX. Ludovicus monogram.
Rev.: +CASTISPRVINIS. Cross. Denarius.
 Prou 374, 375 (var., +CASTISPRVINIS); Gariel XXXVIII, 10 (Gariel Coll.).
 Gariel Coll., 1085; Meyer Coll., 327; Bordeaux Coll., 298.
 Paris: 1.74 gr., 1.60 gr.; Berlin: 1.40 gr. (PLATE XXXIX); ANS: 1.49 gr.
Find.: Bligny; "ANS Find."

Neustria

TOURS

1255. *Obv.*: +MISERICORDIAD-IREX. Ludovicus monogram.
Rev.: +TVR \Diamond NECIVITAS. Cross. Denarius.
 Prou 453-458; Gariel XXXVIII, 13; BMS 209.
 Rousseau Coll., 447; Gariel Coll., 1087; Kress Oct. 1960, 1485; Hess April 1928, 3694; Hamburger Sept. 1926, 15; Cahn Oct. 1929, 905; Hess Lucerne July 1933, 94; Münz. u. Med. Dec. 1957, 690. Paris: 1.79 gr., 1.75 gr., 1.70 gr., 1.69 gr., 1.73 gr., 1.30 gr., (453a) 1.70 gr., (456a) 1.70 gr., (456b) 1.70 gr., (457a) 1.65 gr., (457b) 1.65 gr., (457c) 1.75 gr., (457d) 1.65 gr., (459a) 1.75 gr., (459b) 1.65 gr.; Berlin: (PLATE XXXIX); ANS: 1.63 gr., 1.74 gr., 1.77 gr.; Blunt: 1.62 gr.; Bodleian/Ashmolean; BM: (38-7-10-1186-Cuerdale) 1.62 gr.; Copenhagen: (K. P. 1296) 1.47 gr.; Garrett: (6159) 1.67 gr., (6142) 1.69 gr.; Grierson: 1.55 gr.; Hermitage: 1.63 gr.; Vienna: 1.67 gr.
Find.: Etampes; Compiègne; Courbanton II; Courbanton III; Savigné-sous-le-Lude; Saumur; Cuerdale.
1256. *Obv.*: +IIISIRICORDIADIREX. Ludovicus monogram.
Rev.: +TR \Diamond NECIVITAS. Cross. Denarius.
 Prou 459 = Gariel XXXVIII, 5.
 Paris: 1.82 gr.; Berlin: 1.60 gr., 1.70 gr., 1.81 gr.; Brussels: (Inv. 133) 1.76 gr., 1.68 gr. (var. monogram); The Hague: (637) 1.51 gr.
Find.: Courbanton II; Savigné-sous-le-Lude.
1257. *Obv.*: +MISERICORDIADREX. Ludovicus monogram.
Rev.: +TVR \Diamond NECIVITAS. Cross. Obolus.
 Prou 460 = Gariel XXXVIII, 6.
 Gariel Coll., 1104; Bordeaux Coll., 302.
 Paris: 0.82 gr.; Berlin: 0.79 gr. (PLATE XXXIX); ANS: 0.90 gr.

BLOIS

1258. *Obv.*: +HISERICORDIAD-IREX. Ludovicus monogram.
Rev.: +BIESIANISCASTRØ. Cross. Denarius.
 Prou 480; Gariel XXXVIII, 12 (Gariel Coll.).
 Gariel Coll., 1082; Meyer Coll., 326; Bordeaux Coll., 297.
 Paris: 1.73 gr. (PLATE XXXIX); Garrett: (6146) 1.62 gr.
Find: Courbanton II; Courbanton III.

Burgundy

TROYES

1259. *Obv.*: HIIVIHVIVII+X. Karolus monogram.
Rev.: +TIEIDA SICITAΛ. Cross. Denarius.
 Prou 548.
 Paris: 1.72 gr.
1260. *Obv.*: +MISERICORDIAD-REX. Ludovicus monogram.
Rev.: +CIVITASTRECAΣ. Cross. Denarius.
 Gariel XXXVIII, 7 (Gariel Coll.).
 Gariel Coll., 1105; Meyer Coll., 329.
 Paris: (549a) 1.75 gr.; Berlin: 1.81 gr. (PLATE XXXIX).
Find: Courbanton III.

SENS

1261. *Obv.*: HLVDOVICVSREX. Cross.
Rev.: SENONESVRBS. Temple. Denarius.
 Rousseau Coll., 526bis.

BOSON OF VIENNE (879-887)

Provence

VIENNE

1262. *Obv.*: +BOSOCRACIADEI. REX in field.
Rev.: +VIENNACIVIS. Cross. Denarius.
 Prou 846; Gariel LXII, 1 (Gariel Coll.); RN 1860, p. 46, two pieces,
 one in poor condition.
 Rousseau Coll., 453; Gariel Coll., 1352; Meyer Coll., 497; Bordeaux
 Coll., 411 (ex Meyer).
 Paris: 1.49 gr.; Berlin: 1.30 gr., 1.54 gr. (PLATE XXXIX); Garrett:
 (6144) 1.52 gr.; Hermitage: 1.62 gr..
 RN: 1.10 gr.

1263. Same as foregoing. Obolus.
 Gariel LXII, 2 (Gariel Coll.).
 Rousseau Coll., 454; Gariel Coll., 1353.
 Berlin: 0.60 gr. (PLATE XXXIX).

ODO (887-898)

PALACE

1264. *Obv.*: +GRACIAD-IREX. ODO triangularly arranged.
Rev.: +PALATINAMONE. Cross. Denarius.
 Prou 29; Gariel XLVII, 36 (Arras find).
 Gariel Coll., 1180.
 Paris: 1.45 gr.; Berlin: 1.66 gr. (PLATE XL).
Find: Arras.
1265. *Obv.*: +GRATIAD-IREX. Odo monogram.
Rev.: +PAMTINAMONE. Cross. Denarius.
 Gariel XLVII, 37 (Gariel Coll.).
 Gariel Coll., 1181; Meyer Coll., 383; Bordeaux Coll., 326.
 Berlin: 1.32 gr.
1266. *Obv.*: +GRATIAD-IREX. Odo monogram.
Rev.: +PALATINAMO. Cross. Denarius.
 Prou 28; Gariel XLVII, 34 (stock of Rollin).
 Paris: 1.19 gr. (PLATE XL).
1267. *Obv.*: +CRATIA: D-I. ODO REX around a central dot.
Rev.: +PALATINAMONE. Cross. Denarius.
 Prou 27; Gariel XLVII, 35 (Arras find).
 Gariel Coll., 1179.
 Paris: 1.62 gr.; Berlin: 1.66 gr. (PLATE XL); ANS: 1.62 gr.
Find: Arras.

Francia

ARRAS

1268. *Obv.*: +GRATIAD-IREX. ODO triangularly arranged around a dot.
Rev.: +A'TREB'A'SCIAI. Cross. Denarius.
 Prou 222; Gariel XLVI, 8 (Arras find).
 Bordeaux Coll., 318; Hamburger Nov. 1912, 97; Schulman, Oct. 1913 406; Kricheldorf May 1956, 362.
 Paris: 1.29 gr.; Berlin: 1.36 gr.; ANS: 1.23 gr. (PLATE XL), 1.31 gr.;
 Brussels: 1.22 gr.; Copenhagen: (K. P. 1296) 1.30 gr.
Find: Arras; "ANS Find."

1269. *Obv.*: +IPATIAD-IIAIEX. OAO triangularly arranged around a dot.

Rev.: +ATREB'ASCIVI. Cross. Denarius.

Prou 223.

Paris: 1.61 gr.; Brussels: 1.50 gr.

Find.: Arras.

AMIENS

1270. *Obv.*: +HODOREXFI. Karolus monogram.

Rev.: +AMIANISC. Cross. Denarius.

Gariel XLVI, 1 (Gariel Coll.).

Gariel Coll., 1157.

Berlin: (PLATE XL).

Find.: Arras.

CORBIE

1271. *Obv.*: +HODOREXFRAN. Cross with letters F and R attached.

Rev.: +CORBIENSIS. Cross. Denarius.

Gariel XLVI, 24 (Arras find).

Paris: (244a) 1.25 gr.; Berlin: 1.27 gr.

Find.: Arras.

1272. *Obv.*: +HODOREXF. Cross.

Rev.: +CORBIENSI. Cross with letters F and R attached. Denarius.

Prou 244.

Théry Coll., 527 (ex Bordeaux Coll., DuLac Coll.).

Paris: 1.34 gr. (PLATE XL).

ST.-FURSY (PÉRONNE)

1273. *Obv.*: +CRATIAD-IREX. Odo monogram.

Rev.: +SCIFVRSI... Cross. Denarius.

Prou 245.

Paris: 1.08 gr.

ST-QUENTIN

1274. *Obv.*: +CRATIAD-IRE+X. OAO in circular legend.

Rev.: +SC-IVVINTNIMO. Cross. Denarius.

Gariel XLVII, 48 (Gariel Coll.).

Gariel Coll., 1189; Meyer Coll., 387.

Paris: (254a); Berlin: 1.23 gr. (PLATE XL).

Find.: Arras.

COMPIÈGNE

1275. *Obv.*: +CRATIAD-I. Odo Rex monogram.
Rev.: +CONPEIDIOPALATIO. Cross. Denarius.
 Gariel LIII, 13 (Cuerdale find); *BMS* 210.
 BM: (38-7-10-1194-Cuerdale) 1.66 gr.
Find: Cuerdale.

LAON

1276. *Obv.*: +CRATIAD-I. Odo Rex monogram.
Rev.: +LVG DVNICLAVATI. Cross. Denarius.
 Gariel LIII, 23 (Cuerdale); *BMS* 211.
 BM: (38-7-10-1196-Cuerdale) 1.75 gr.
Find: Cuerdale.

STE-MARIE (LAON)

1277. *Obv.*: +CRATIAD-I. Odo Rex monogram.
Rev.: +SCEMARIEM. Cross. Denarius.
 Gariel XLVII, 47 (Gariel Coll.).
 Gariel Coll., 1188; Meyer Coll., 386.

NOYON

1278. *Obv.*: +GRATIAD-IREX. OD◇+ cruciform around a cross.
Rev.: +NOVIOMVSCIVITAS. Cross. Denarius.
 Prou 277 = Gariel XLVII, 30.
 Paris: 1.74 gr. (PLATE XL).

SOISSONS

1279. *Obv.*: +GRATIAD-IREX. OD◇+ cruciform around a cross.
Rev.: +SVESSIOCIVITAS. Cross. Denarius.
 Prou 286; Gariel XLVIII, 50 (Gariel Coll.).
 Gariel Coll., 1190; Meyer Coll., 388; Bordeaux Coll., 328; Kress Oct.
 1960, 1500; Hirsch Jan. 1963, 561.
 Paris: 1.72 gr.; Berlin: 1.77 gr. (PLATE XL); ANS: 1.76 gr.; Grierson:
 1.67 gr.
1280. Same as foregoing. Obolus.
 Prou 287; Gariel XLVIII, 51 (de Roucy Coll.).
 Meyer Coll., 389; Motte Coll., 139.
 Paris: 0.89 gr. (PLATE XL).

RHEIMS

1281. *Obv.*: +GRATIAD-IREX. ODOREX in a circular legend around a dot.

Rev.: +REMISCIVITAS. Cross. Denarius.

Prou 305; Gariel XLVII, 41 (Gariel Coll.).

Gariel Coll., 1184; Meyer Coll., 384; Münz. u. Med. July 1955, 502; Théry Coll., 530 (ex Meyer).

Paris: 1.37 gr.; Berlin: 1.68 gr. (PLATE XL); ANS: 1.48 gr., 1.75 gr.; Munich: 1.74 gr.

Find.: "ANS Find."

1282. *Obv.*: +GRATIAD-IRX. ⬠⬠⬠ cruciform.

Rev.: +REMISCIVITAS. Cross. Obolus.

Prou 306 = Gariel XLVII, 42. Cf. Gariel XLVII, 43 (Maxe-Werly, p. 79).

Paris: 0.68 gr. (PLATE XL); Munich: 0.85 gr.

PARIS

1283. *Obv.*: +CRATIAD-IREX. ODO+ cruciform around a dot.

Rev.: +PARISIICIVITAS. Cross. Denarius.

Prou 333; Gariel XLVII, 40 (Arras find).

Gariel Coll., 1183.

Paris: 1.44 gr.; Berlin: 1.61 gr. (PLATE XL).

Find.: Courbanton II; Arras.

1284. *Obv.*: +GRATIAD-IREX. Odo Rex monogram.

Rev.: +PARISIICIVIT. Cross. Denarius.

Gariel XLVII, 39 (Gariel Coll.).

Gariel Coll., 1182.

Berlin: 1.03 gr. (PLATE XL).

1285. *Obv.*: +GRATIAD-I. Odo Rex monogram.

Rev.: +PARISIICIVITA. Cross. Denarius.

Gariel XLVII, 38 (RN 1838, p. 36).

Cahn Dec. 1932, 1318.

ST-DENIS

1286. *Obv.*: +GR'AT'IAID-IH (retrograde). ODO REX in circular legend around a dot.

Rev.: +SCΔIONVSIIM. Cross. Denarius.

Prou 352; Gariel XLXII 45, (Arras find).

Bordeaux Coll., 327; Hamburger Nov. 1912, 102; Schulman Oct. 1913, 411; Kress Oct. 1960, 1499; Kress Dec. 1961, 666; Théry Coll., 531.

Paris: 1.64 gr.; Berlin: 1.52 gr. (PLATE XL); ANS: 1.47 gr., 1.64 gr.; Copenhagen: (K. P. 1296) 1.54 gr.

Find.: Arras.

1287. *Obv.*: +GR'ATI'AD-I'C. ODOREX. in circular legend.
Rev.: +SCΔIONVSIIM. Cross. Denarius.
 Prou 353; Gariel XLVII, 44 (Arras find).
 Paris: 1.54 gr.
Find: Arras.
1288. *Obv.*: +CRATIVD-IX. ODOREX in circular legend around a dot.
Rev.: +SCΔIONASIM. Cross. Denarius.
 Gariel XLVII, 46 (Gariel Coll.).
 Berlin: 1.15 gr.

Neustria

"CURTISASSONIEN"

1289. *Obv.*: +MISERICORDIAD-I. Odo Rex monogram.
Rev.: +ICVRTISASONIEH. Cross. Denarius.
 Prou 417 = Gariel XLVII, 25.
 Paris: 1.68 gr. (PLATE XLI).

ANGERS

1290. *Obv.*: +CIRATIAD-IREX. O/ +++ / O, in field,
Rev.: +AIIbCAVISCIVITAS. Cross. Denarius.
 Gariel XLVI, 5 (Cabinet de France: Prou 433 ?).
 Meyer Coll., 370.
1291. *Obv.*: +GRATIAD-IREX. ◇DO+ cruciform around a dot.
Rev.: +ANDEGAVISCIVITAS. Cross. Denarius.
 Prou 432, 433, 434, 436, 437 = Gariel XLVI, 7 (?); Gariel XLVI, 4 (Gariel Coll.); *BMS* 212, 213.
 Gariel Coll., 1160; Hamburger Nov. 1912, 95; Hamburger Feb. 1928; 1799; Bordeaux Coll., 352; Cahn Dec. 1932, 1311; Lockett Coll., 359, Kress Oct. 1960, 1492.
 Paris: 1.77 gr., 1.32 gr., 1.54 gr., 1.73 gr., 1.65 gr.; Berlin: 1.60 gr., 1.72 gr. (PLATE XLI); ANS: 1.66 gr.; Bodleian/Ashmolean (three exemplars); BM: (38-7-10-1191-Cuerdale) 1.62 gr., (1915-5-7-276-Morgan [Evans]) 1.70 gr.; Brussels; Copenhagen: (K. P. p. 130) 1.55 gr.; Grierson: 1.02 gr. (damaged), 1.75 gr.; The Hague: (635) 1.55 gr.; Hermitage: 1.69 gr.; Munich: 1.59 gr.
Find: Courbanton II; Courbanton III; Cuerdale.
1292. *Obv.*: +GRATIAD-IREX. ◇DO+ in field.
Rev.: +ANDEGAVISCIVITIAS. Cross. Obolus.
 Prou 435; Gariel XLVI, 6 (Cuerdale find); *BMS* 214.
 Berlin: 0.60 gr.; BM: (38-7-10-1192-Cuerdale) 0.87 gr.
Find: Saumur; Cuerdale.

1293. *Obv.*: XOD + ESTRE +. Karolus monogram.
Rev.: +ANPECAVISCIVITAS. Cross. Denarius.
 Gariel XLVI, 3 (Gariel Coll.), *RN* 1857, pp. 315 ff.; *BMS* 215.
 Berlin: 1.61 gr. (PLATE XLI).
RN: 1.60 gr.

TOURS

1294. *Obv.*: +CRATIADIREX. Odo Rex monogram.
Rev.: +TVRDNISCIVITAS. Cross. Obolus.
 Gariel XLVIII, 59 (Poey d'Avant, no. 1617).
 Berlin: 1.61 gr.; Grierson: 0.65 gr. (damaged).
Find: Evreux (?).
1295. *Obv.*: +MISERICORDIAD'I. Odo Rex monogram.
Rev.: +HTVRDNESCIVITAS. Cross. Denarius.
 Prou 461; Gariel XLVIII, 57 (Gariel Coll.); *BMS* 216-220.
 Hamburger Sept. 1926, 20; Cahn Dec. 1932, 1321.
 Paris: 1.59 gr.; Berlin: 1.66 gr.; ANS: 1.78 gr.; Blunt: 1.68 gr.; BM:
 (38-7-10-1200-Cuerdale) 1.52 gr., (38-7-10-1201-Cuerdale) 1.50 gr.,
 (38-7-10-1202-Cuerdale) 1.63 gr., (38-7-10-1203-Cuerdale) 1.67 gr.,
 (38-7-10-1204-Cuerdale) 1.67 gr., (1908-10-11-277) 1.67 gr.; Copen-
 hagen: (B. P. 180) 1.52 gr., (Rollin 1852) 1.57 gr., (K. P. 758) 1.61 gr.,
 (T. 3419) 1.67 gr. (PLATE XLI); The Hague: (634) 1.59 gr.; Hermitage:
 1.67 gr.; Yale: 1.77 gr.
Find: Courbanton III; Saumur; Cuerdale.
1296. *Obv.*: +HISERICORIDIAIDEI. Odo Rex monogram.
Rev.: +TVRDNESCIVITAS. Cross. Denarius.
 Prou 462; *BMS* 221.
 Paris: 1.65 gr.; BM: (38-7-10-1199-Cuerdale) 1.66 gr.
Find: Cuerdale.
1297. *Obv.*: +HISERICOPDIAPIX. Odo Rex monogram.
Rev.: +HTIRDNESCIVIVTVS. Cross. Denarius.
 Prou 463; *BMS* 222.
 Cahn Dec. 1932, 1322.
 Paris: 1.72 gr.; BM: (38-7-10-1206) 1.46 gr.; Copenhagen: (Cuerdale
 find) 0.97 gr. (fragment),
Find: Cuerdale.
1298. *Obv.*: +HISERICORIIADIIRX. Odo Rex monogram.
Rev.: +HTVRDNESCIVITAS. Cross. Denarius.
BMS 223.
 BM: (38-7-10-1205-Cuerdale) 1.68 gr.; The Hague: (Inv. 17580) 1.60 gr.
 (PLATE XLI); Oslo: 1.57 gr.
Find: Courbanton II (var.); Cuerdale.

1299. *Obv.*: +HISERICORDIARIX. Odo Rex monogram.
Rev.: +HTVRONESCIVITAS. Cross. Denarius.
 Prou 468 = Gariel XLVIII, 58.
 Paris: 1.72 gr., (468a) 1.65 gr.; Berlin: 1.08 gr.; ANS: 1.59 gr. (PLATE XLI); Grierson: 1.64 gr., 1.68 gr.; Holmes: 1.58 gr.
Find: Courbanton II.
1300. *Obv.*: +HISERICORDIAEI. Odo Rex monogram.
Rev.: +TVRONESCIVITAS. Cross. Denarius.
 Gariel XLVIII, 3 (Gariel Coll.), 6 (Gariel Coll., var.).
 Berlin: 1.64 gr.
Find: Courbanton II.
1301. *Obv.*: +MISERICORDIADI. Odo Rex monogram.
Rev.: +TVRONESCIVITAS. Cross. Denarius.
 Prou 469; Gariel XLVIII, 4 (Gariel Coll.), 5 (Poey d'Avant, no. 1616).
 Paris: 1.44 gr.
1302. *Obv.*: +MISERICORDIADH. Odo Rex monogram.
Rev.: +HTVRONESCIVITAS. Cross. Denarius.
Find: Courbanton III.
1303. *Obv.*: +MISERICORDIAD'I. Odo Rex monogram.
Rev.: +TVRONESCIVITAS. Cross. Denarius.
 Bodleian/Ashmolean.
1304. *Obv.*: +MISERICORDIADN. Odo Rex monogram.
Rev.: +HTVRONESCITIAS. Cross. Denarius.
 Prou 464, 465; Gariel XLVIII, 56 (Gariel Coll.).
 Hamburger Nov. 1912, 104, 105; Cahn Dec. 1932, 1323; Kress Oct. 1960, 1504; 1505, Münz. u. Med. Nov. 1964, 21.
 Paris: 1.56 gr., 1.54 gr.; Bodleian/Ashmolean; Brussels; Grierson: 1.68 gr.; Vienna: 1.63 gr.
Find: Courbanton II.
1305. *Obv.*: +NISERICOR\IADN. Odo Rex monogram.
Rev.: +TVRONESCIVITAS. Cross. Denarius.
 Prou 466.
 Paris: 1.44 gr.; Bodleian/Ashmolean; Copenhagen: (T. 3420) 1.63 gr.;
 Hermitage: 1.65 gr.; McClymont: 1.47 gr. (PLATE XLI).
1306. *Obv.*: +MISERICORDIAN. Odo Rex monogram.
Rev.: +TVROMESCIVITAS. Cross. Denarius.
 Prou 467.
 Paris: 1.32 gr.
1307. *Obv.*: +MISERICORDIAD-N. Odo Rex monogram.
Rev.: TVR+HESCIVITAS. Cross. Denarius.
 Stuttgart: (IIU. 1951/255) 1.64 gr.
Find: Evreux.

BLOIS

1308. *Obv.*: +GRATIAD-IREX. + / \diamond D \diamond / +, in field.
Rev.: +BIESIANISCASTR \diamond . Cross. Denarius.
 Prou 486 = Gariel XLVI, 10.
 Paris: 1.61 gr. (PLATE XLI).
1309. *Obv.*: +MISERICORDIAD-IREX. Odo Rex monogram.
Rev.: +BIESIANISCASTR \diamond . Cross. Denarius.
 Prou 484; Gariel XLVI, 9 (Gariel Coll.); Prou 481 (var., monogram cut on Ludovicus monogram); *BMS* 224.
 Cahn April 1929, 50; Hamburger Nov. 1912, 98; Cahn Dec. 1932, 1312, 1313; Kress Oct. 1960, 1493, 1494.
 Paris: 1.47 gr., 1.73 gr.; Berlin: 1.61 gr., 1.66 gr., 1.65 gr., 1.66 gr., 1.74 gr.; ANS: 1.59 gr., 1.70 gr.; BM: (38-7-10-1197-Cuerdale) 1.78 gr.; Vienna: 1.64 gr.
Find.: Courbanton II; Cuerdale.
1310. Same as foregoing. Obolus.
 Gariel XLVI, 11 (Gariel Coll.).
 Gariel Coll., 1163.
 Berlin: 0.70 gr.
1311. *Obv.*: +MISERICORDIADE-I. Odo Rex monogram.
Rev.: +BIESIANISCASTR \diamond . Cross. Denarius.
 Prou 482, 483; *BMS* 225-227.
 Spink & Son, *Numismatic Circular*, Jan. 1921, cols. 58f., 88605; Münz. u. Med. Nov. 1964, 20.
 Paris: 1.66 gr., 1.31 gr.; Berlin: (PLATE XLI); ANS: 1.63 gr.; BM: (38-7-10-1198-Cuerdale) 1.65 gr., (60-10-19-16) 1.70 gr., (1908-10-11-273-Lincoln) 1.64 gr.; Brussels: 1.51 gr., 1.69 gr.; Copenhagen: (K. P. 155) 1.48 gr.; Grierson: 1.60 gr., 1.65 gr.; The Hague: (Inv. 17583) 1.50 gr.; Hermitage: 1.56 gr., 1.59 gr., 1.65 gr.
Find.: Courbanton II; Courbanton III; Roches-l'Evêque (?); Cuerdale.
1312. *Obv.*: +MISERICORDIADIR. Odo Rex monogram.
Rev.: +BIESIANISCASTR \diamond . Cross. Denarius.
 Oslo: 1.49 gr.
1313. Same as foregoing. Obolus.
 Prou 485.
 Paris: 0.81 gr. (PLATE XLI).
1314. *Obv.*: +HISERICORDIADE-I. +/ \diamond D \diamond /+, in field.
Rev.: +BIESIANISCASTR \diamond . Cross. Denarius.
 Stuttgart: (2v8472) 1.57 gr.

CHARTRES

1315. *Obv.*: +GRATIAD-IREX. + / \diamond \diamond / +, in field.
Rev.: +CARN \diamond TISCIVITASI. Cross. Denarius.
 Prou 497; Gariel XLVI, 19 (Gariel Coll., var.).
 Rousseau Coll., 492; Cahn Dec. 1932, 1315; Hess, Lucerne July 1933, 97; Münz. u. Med. Nov. 1957, 692, 1.83 gr.; Kress Oct. 1960, 1495; Théry Coll., 525.
 Paris: 1.87 gr.; Berlin: 1.84 gr. (PLATE XLI); ANS: 1.83 gr.; Grierson: 1.80 gr.; Hermitage: 1.72 gr.
Find: Courbanton II; Courbanton III.

CHATEAUDUN

1316. *Obv.*: +CRATIAD-IREX \diamond \diamond . Karolus monogram.
Rev.: +DVNISCATELL \diamond I. Cross. Denarius.
 ANS: 1.61 gr. (PLATE XLI).
1317. *Obv.*: +CRATIAD-IREX. + / \diamond \diamond / +, in field.
Rev.: +DVINSCASTILL \diamond I. Cross. Denarius.
 Prou 504.
 Rousseau Coll., 390.
 Paris: 1.74 gr.
Find: Courbanton II; Evreux.
1318. Same as foregoing. Obolus.
 Gariel XLVI, 22 (Gariel Coll.).
 Gariel Coll., 1169.
 Berlin: 0.85 gr.
1319. *Obv.*: +CRATIAD-N. Odo Rex monogram.
Rev.: +DVNISCATELL \diamond I. Cross. Denarius.
 Prou 505 = Gariel XLVI, 20.
 Cahn Dec. 1932, 1316; Théry Coll., 526 (De Saulcy specimen).
 Paris: 1.68 gr. (PLATE XLI).
Find: Courbanton II.
1320. *Obv.*: +GRATIAD-I. Odo Rex monogram.
Rev.: +DVNISCATELL \diamond I. Cross. Denarius.
 Gariel XLVI, 21 (Poey d'Avant, 1822).
Find: Courbanton II.

ORLÉANS

1321. *Obv.*: +GRATIAD-IREX \diamond \diamond . Karolus monogram.
Rev.: +AVREL'ANISCIVITAS. Cross. Denarius.

Prou 522; Gariel XLVII, 31 (Gariel Coll.).
 Hamburger Nov. 1912, 100; Théry Coll., 528.
 Paris: 1.76 gr.; Berlin: 1.60 gr. (PLATE XLI).
Find: Courbanton II; Courbanton III.

1322. *Obv.*: +CRATIAD-IREX. Odo Rex monogram.
Rev.: +AVRELIANISCIVITAS. Cross. Denarius.
 Gariel LIV, 34 (Meyer Coll.).
 Rousseau Coll., 486-489; Meyer Coll., 430; Hess April 1928, 3703;
 Hess, Lucerne July 1933, 99.
1323. *Obv.*: +GRATIAD-I. Odo Rex monogram.
Rev.: +AVREL'ANISCIVITAS. Cross. Denarius.
 Prou 523, 524 (var.); Gariel XLVII, 33 (Gariel Coll.); *BMS* 228.
 Hamburger Nov. 1912, 101; Münz. u. Med. July 1955, 503, 1.72 gr.;
 Kress Oct. 1960, 1498; Frankfurter Münzhandl. Sept. 1961, 1029;
 Théry Coll., 1963, 529.
 Paris: 1.75 gr., 1.72 gr., (524a) 1.65 gr.; Berlin: 1.61 gr., 1.76 gr.; ANS:
 1.69 gr., 1.71 gr. (PLATE XLI); BM: (38-7-10-1193-Cuerdale) 1.74 gr.;
 Brussels: 1.52 gr., 1.60 gr., 1.68 gr., 1.72 gr., 1.73 gr.; Copenhagen:
 (B. P. 180) 1.76 gr.; Grierson: 1.65 gr. (damaged); Hannover: (Inv.
 1961...) 1.47 gr.; Hermitage: 1.52 gr., 1.77 gr.; Holmes: 1.64 gr.
 (CIVITVS); Vienna: 1.76 gr.
Find: Courbanton II; Courbanton III; Cuerdale.
1324. *Obv.*: +CRATIA-II. Odo Rex monogram.
Rev.: +AVRELIANISCIVITAS. Cross. Denarius.
 Gariel XLVII, 32 (Gariel Coll.).
 Hamburger Sept. 1926, 18.
 Berlin: 1.74 gr.

Burgundy

SENS

1325. *Obv.*: +CRATAD-IREIX. + /ODD/ +, in field.
Rev.: +SENONESCIVITAS. Cross. Denarius.
 Prou 581 = Gariel XLVIII, 49.
 Paris: 1.75 gr.

CHALON-SUR-SAÔNE

1326. *Obv.*: +GRATIAD-REX. Odo Rex monogram.
Rev.: +CAVILONCIVITAS. Cross. Denarius.
 Gariel XLVI, 17 (Gariel Coll.).
 Gariel Coll., 1167.
 Berlin: 1.53 gr. (PLATE XLII).

1327. *Obv.*: +CRATIAD-IREX. Odo Rex monogram.
Rev.: +CAVILONISCIVIC. Cross. Denarius.
 Gariel XLVI, 18 (Combrouse, pl. XXXIII, 2).
 Meyer Coll., 375; Cahn Dec. 1932, 1314; Théry Coll., 524 (De Saulcy specimen).
 Paris: (621a) 1.30 gr. (var.); ANS: 1.29 gr. (PLATE XLII).

Aquitaine

BOURGES

1328. *Obv.*: +GRATIADEIREX. Odo Rex monogram.
Rev.: +BITVRICESCIVITA. Cross. Denarius.
 Prou 750; Gariel XLVI, 13 (Gariel Coll.).
 Paris: 1.54 gr.; ANS: 1.40 gr. (PLATE XLII).
1329. Same as foregoing. Obolus.
 Gariel XLVI, 14 (Gariel Coll.).
 Gariel Coll., 1166.
 Berlin: 0.71 gr. (PLATE XLII).
1330. *Obv.*: +CRATIADIREX. Odo Rex monogram.
Rev.: +BITVRICESCIVITA. Cross. Denarius.
 Prou 751; Gariel XLVI, 12 (Gariel Coll.).
 Gariel Coll., 1164; Meyer Coll., 374; Bordeaux Coll., 320.
 Paris: 1.48 gr.; Berlin: 1.51 gr.
1331. *Obv.*: +CRACIADEIREX. Odo Rex monogram.
Rev.: +BITVRICESCIVITA. Cross. Denarius.
 Gariel LIII, 7 (Combrouse, pl. XXXII, 9).

LIMOGES

1332. *Obv.*: +GRATIAD-IRE. + /ODO/ +, in field.
Rev.: +LIMOVICASCIVIS. Cross. Denarius.
 Prou 779-783; Gariel XLVII, 26 (Voillemier Coll.); *BMS* 229.
 Rousseau Coll., 476-478; Cahn Dec. 1922, 525, 1.15 gr.; Cahn April 1929, 51; Cahn Sept. 1932, 1311; Cahn Dec. 1932, 1317; Münzhandl. Basel Dec. 1935, 25; Kress Oct. 1960, 1497; Frankfurter Münzhandl. Sept. 1961, 1028.
 Paris: 1.67 gr., 1.67 gr., 1.70 gr., 1.68 gr., 1.75 gr.; Berlin: 1.49 gr., 1.65 gr., 1.79 gr., 1.83 gr. (PLATE XLII); ANS: 1.61 gr.; Blunt: 1.70 gr.; Bodleian/Ashmolean (three exemplars); BM: (38-7-10-1195-Cuerdale) 1.81 gr.; Brussels: 1.70 gr.; Copenhagen: (T. 3415) 0.98 gr., (Devegge no. 17) 1.08 gr., (Cuerdale find) 1.60 gr.; Garrett: (6147) 1.78 gr.; Grierson: 1.75 gr., 1.76 gr., 1.77 gr.; The Hague: (636) 1.45 gr., 1.60 gr.; Hermitage: 1.74 gr.; Munich: 1.17 gr., 1.69 gr.; Oslo: 1.39 gr., 1.80 gr.; Stuttgart: (2v7840) 1.77 gr. (var.); Van Rede:

(B1275) 1.31 gr., (B1276) 1.52 gr., (B1274) 1.59 gr., (B1273) 1.76 gr.; Vienna: 1.49 gr., 1.75 gr.; Yale: 1.71 gr., 1.77 gr.

Find: Bonnevaux (?); Chateaufort-sur-Cher (?); Cuertdale; Hoard of Vestal Virgins; Tiszeszlár; Paretz.

1333. *Obv.*: +GRATIAD-IRE. + /ODD/ +, in field.

Rev.: +IMOVICASCIVI. Cross. Denarius.

Prou 784, 785; *BMS* 230-233.

Paris: 1.76 gr., 1.78 gr.; ANS: 1.49 gr. (PLATE XLII); BM: (1908-10-11-274-Lincoln) 1.78 gr., (1908-10-11-275-Lincoln) 1.70 gr., (1915-5-7-326) 1.78 gr.; Nelson: (53.114.1874), (53.114.1875).

Find: Cuertdale.

1334. *Obv.*: +CRATIAD-IIIF. + /ODD/ +, in field.

Rev.: +LIMOVICASCVS. Cross. Denarius.

Gariel XLVII, 27 (Gariel Coll.).

Berlin: 1.35 gr., 1.64 gr.

Find: Haute-Isle; Paretz.

1335. *Obv.*: +ODORE+. ✕✕, in field.

Rev.: +LIMOYICAS. Cross. Obolus.

Gariel XLVII, 29 (Combrouse, pl. XXXIII).

1336. *Obv.*: +ODORE + E. ◇, in field.

Rev.: +LIMOVICAS. Cross. Obolus.

Prou 786, 787 (var.); Gariel XLVII, 28 (Gariel Coll. and stock of Hoffmann); *BMS* 234, 235.

Gariel Coll., 1175; Meyer Coll., 380.

Paris: 0.79 gr., 1.60 gr.; Bodleian/Ashmolean; BM: (38-7-10-1188-Cuertdale) 0.73 gr., (38-7-10-1189-Cuertdale) 0.73 gr.; Copenhagen: (T. 3416 var.) 0.37 gr.; Grierson: 0.56 gr. (damaged); Nelson: (53.114.1876).

Find: Cuertdale.

Toulousain

TOULOUSE

1337. *Obv.*: +CRATIAD-RE. + /ODD/ in field.

Rev.: +TOLOSA +CIV. Cross. Denarius.

Prou 826.

Paris: 1.56 gr.

1338. *Obv.*: +ODDOREXCR⁻C⁻. Cross.

Rev.: +TOLOSA +CIVI. ODDO, cruciform. Denarius.

Prou 824.

Paris: 1.34 gr. (PLATE XLII).

1339. *Obv.*: +ODDOREXFR⁻C. Cross.

Rev.: +TOLO2A+CIVI. ODDO, cruciform around at dot. Obolus.

Prou 825; Gariel XLVIII, 53; *BMS* 236.
 Rousseau Coll., 481; Meyer Coll., 391; Cahn Dec. 1932, 1320; Kress
 Oct. 1960, 1503; Hirsch Nov. 1958, 745.
 Paris: 0.57 gr.; ANS: 0.69 gr. (Hirsch specimen); BM: (76-2-2-4)
 0.62 gr.; Grierson: 0.63 gr. (var.); Hermitage: 0.62 gr.

1340. *Obv.*: +O·D·DOREXFR[—]C. Cross.

Rev.: +TOLOSA'C'IVI. ODDO, cruciform around a dot. Denarius.

Prou 823; Gariel XLVIII, 54, (Gariel Coll.); *BMS* 237.
 Hamburger Nov. 1912, 103; Hamburger Sept. 1926, 19; Cahn Dec.
 1932, 1319; Kress Oct. 1960, 1501, 1502.
 Paris: 1.56 gr.; Berlin: (PLATE XLII); ANS: 1.48 gr.; Bodleian/Ash-
 molean; BM: (1906-11-3-3181) 1.46 gr.; Brussels: 1.34 gr., 1.42 gr.;
 Grierson: 1.33 gr.; Hermitage: 1.59 gr.; Holmes: 1.41 gr.; Vienna:
 1.57 gr.; Yale: 1.37 gr.

1341. *Obv.*: +ODDOREXFR[—]C. Cross.

Rev.: +TOLOSA'C'IVI. ODDO, cruciform around a dot. Denarius.
 Gariel XLVIII, 52 (Gariel Coll.); *BMS* 238-240.
 Berlin: 1.58 gr., 1.67 gr., 1.71 gr.; BM: (38-7-10-1190-Cuerdale) 1.71
 gr., (60-10-19-58) 1.69 gr., (1908-10-11-276) 1.52 gr.; Copenhagen:
 (K. P. 155 var.) 1.48 gr.
Find: Castel Sarraasin; Cuerdale.

1342. *Obv.*: +ODDOREXFR[—]C. Cross.

Rev.: +TOLOSAC'IV. ODDO, cruciform around a dot. Obolus.
 Gariel XLVIII, 55 (Gariel Coll.).
 Gariel Coll., 1194.
 Berlin: 0.69 gr., 0.67 gr. (PLATE XLII); Hermitage: 0.56 gr., 0.67 gr.,
 0.76 gr.

1343. *Obv.*: +OOORE +ERC. Cross.

Rev.: +TOLVSAC'IVI. OC/DO. Denarius.
 BM: (76-2-2-4).

Septimania

CARCASSONNE

1344. *Obv.*: +CRATIAD-P'E. Odo Rex monogram.

Rev.: +CARCASONACIA. Cross. Denarius.
 Gariel XLVI, 15, 16 (Poey d'Avant, nos. 3772, 3773).

Indeterminate Mints

1345. *Obv.*: +CRATIAD-IREX. Odo Rex monogram.

Rev.: +NIDONISC∞TIIM. Cross. Denarius.
 Gariel XLVI, 23 (Cabinet de France, but not in Prou).

CHARLES THE SIMPLE (898–923)

Alsace

STRASSBURG

1346. *Obv.*: +KICOLVSPIVSREX. Cross.
Rev.: ARGENTI/IIACVIT. Denarius.
 Gariel LII, 74 (Gariel Coll.).
 Frankfurt a.M.: 1.05 gr. (damaged).
1347. *Obv.*: +...ROLVSRV29REX. Cross.
Rev.: C/. . .RCENTI/•/MACIVIT/D. Denarius.
 Gariel LII, 75 (RN 1857, p. 319).
1348. *Obv.*: +I'IROLVSPIVSREX. Cross.
Rev.: ARGENTI/•/IIACIVITS. Denarius.
 Prou 54; Gariel LI, 72 (Gariel Coll.).
 Hamburger Nov. 1912, 107; Cahn Dec. 1922, 527; Cahn Oct. 1924, 23;
 Riechman Nov. 1924, 40; Cahn March 1926, 50; Cahn May 1927, 1537;
 Münz. u. Med. Dec. 1957, 695, 1.40 gr.; Hess April 1928, 3562; Cahn
 April 1929, 52; Cahn Oct. 1929, 910; Helbing Dec. 1929, 1242; Münz-
 handl. Basel Oct. 1936, 319; Kress Oct. 1960, 1511, 1.40 gr.; Théry
 Coll., 540; Kricheldorf July 1964, 417.
 Paris: 1.40 gr.; Berlin: 0.92 gr., 1.31 gr., 1.45 gr., 1.38 gr. (PLATE XLII);
 ANS: 1.14 gr.; Brussels: (Inv. 142bis) 1.37 gr.; Copenhagen: (K. P.
 p. 134) 1.19 gr.; Munich: 1.09 gr., 1.22 gr., 1.53 gr.; Van Rede: (B.
 1277) 1.10 gr.
Find: Kimswerd-Pingjum (?); Freiburg i. B.; Marsum.
1349. *Obv.*: +KAROLVSPIVSREX. Cross.
Rev.: G/ARGENTI/NACIVIT/D. Denarius.
 Engel and Lehr, p. 155, 42.
 Münz. u. Med. Nov. 1964, 26.
 ANS: 1.40 gr. (PLATE XLII).
1350. *Obv.*: +KAROLV...DREX. Cross.
Rev.: ARGENTI/INCIVITA. Obolus.
 Gariel LII, 73 (Combrouse, pl. XLV, 8).
 Berlin: 0.78 gr.
1351. *Obv.*: +I'V'I'ROLVSPIVSREX. Cross.
Rev.: ARCEITI/•/2ACVIT. Denarius.
 Prou 55.
 Paris: 1.34 gr. Berlin: (PLATE XLII).

Lorraine

COLOGNE

1352. *Obv.*: +KVROLV ω REX. Cross with one dot in each corner.

Rev.: S/COLONIA/A. Denarius.

Prou 82; Gariel XL, 1 (Gariel Coll.); *BMS* 241, 242.

Hävernicks, 23; Gariel Coll., 1125, 1126; Cahn April 1912, 17; Cahn Oct. 1924, 16; Riechman Nov. 1924, 38; Cahn March 1926, 40; Cahn April 1929, 44; Cahn Feb. 1931, 15, 16; Riechman Nov. 1924, 27; Riechman April 1928, 638; Helbing June 1929, 700; Riechman Dec. 1934, 329; Kress Oct. 1960, 1509; Kress Dec. 1956, 46; Kress Nov. 1961, 1200. Paris: 1.65 gr.; Berlin: 1.49 gr., 1.51 gr., 1.58 gr., 1.82 gr., 1.85 gr., 1.87 gr.; ANS: 1.72 gr.; BM: (57-9-1-45-IGP) 1.22 gr., (1935-4-1-15465-T. B. Clarke-Thornhill Bequest) 1.85 gr.; Copenhagen: (T. 1279) 1.56 gr. (damaged); Frankfurt a.M.: 1.74 gr.; Grierson: 1.51 gr.; Stuttgart: (2v8305) 1.65 gr. (PLATE XLII).

Find: Trebenow; Dalen; Rome "after 1920;" Stolpe; Magyarszombathely; Slupsk; Plonsk.

1353. *Obv.*: +KVROLSVEX. Cross with one dot in each corner.

Rev.: S/COLONA/A. Denarius.

Prou 83.

Paris: 1.87 gr.; Brussels: 1.72 gr.; Copenhagen: (T. 1280) 1.68 gr., (Tolstrup find. F. P. 595) 1.73 gr., (Terslev find, 1233.32 var.) 1.80 gr.; Munich: 1.49 gr.

Find: Terslev; Tolstrup.

1354. Same as foregoing. Obolus.

Hävernicks, 26; cf. Hävernicks, 27.

Copenhagen: (Munkegård find, 259) 0.62 gr.; Frankfurt a.M.: 0.55 gr.

Find: Munkegård.

1355. *Obv.*: . . . VROLVS . . RI. Cross with one dot in each corner.

Rev.: S/OLONI/A. Obolus.

Gariel XL, 3 (Brussels).

Cahn April 1912, 18.

Berlin: 0.34 gr., 0.71 gr.; Brussels: 0.68 gr.

1356. *Obv.*: +EVD-LSVI . . . Cross with one dot in each corner.

Rev.: S/COLOM/A. Denarius.

Gariel XL, 2 (Gariel Coll.).

Hävernicks, 24.

Berlin: 1.58 gr., 1.70 gr.

TRIER

1357. *Obv.*: +CAROLVSREX. Cross with one dot in each corner.

Rev.: TR/ER/ER/IS in symmetrical order around a degenerate temple. Denarius.

Gariel LII, 83 (*RN* 1866, p. 166).
 Meyer Coll., 419; Hess May 1893, 2221; Rosenberg Nov. 1904, 39.
 Berlin: 1.52 gr.; Brussels: 1.43 gr.
Find: Store Valby.

METZ

1358. *Obv.*: +€RATIAD-IRX. Karolus monogram.
Rev.: +IETTISCIVITAS. Cross. Denarius.
 Gariel XXXI, 149.
 Berlin: 1.49 gr.; Brussels.
Find: Polczgn-Zdroje.
1359. *Obv.*: +€RATIAD-IIIX. Karolus monogram.
Rev.: IIETTISCIVITAS. Cross. Denarius.
 Prou 131; Gariel L, 47 (Combrouse, pl. XXXVI, 3).
 Meyer Coll., 408, 409; Hess 1905, 50; Cahn Dec. 1932, 1328; Cahn
 1934, 2259; Münzhandl. Basel Oct. 1936, 317.
 Paris: 1.49 gr., (130a); Berlin: (PLATE XLIII); ANS: 1.46 gr.; Copen-
 hagen: (K. P. 1296) 1.50 gr.; Munich: 1.25 gr.
Find: Troyes (1910), 1.77 gr.; Metz.
1360. *Obv.*: +€IDATIAD-IIIX. Karolus monogram.
Rev.: +IIETTISCIVITAS. Cross with one dot in one corner.
 Denarius.
 Prou 132; Gariel L, 48 (Gariel Coll., var.).
 Gariel Coll., 969; Bordeaux Coll., 311; Schulman Oct. 1913, 388, 389;
 Cahn May 1927, 9.
 Paris: 1.41 gr.; ANS: 1.47 gr. (PLATE XLIII).
1361. *Obv.*: +€RATIAD-IIIX. Karolus monogram.
Rev.: +IIETTISCIVITAS. Cross with one dot in one corner.
 Obolus.
 Gariel LI, 49 (Gariel Coll.), 50 (var., Robert, pl. XV, 3); *BMS* 243.
 Meyer Coll., 410, 411; Rosenberg Nov. 1904, 41; Cahn Dec. 1932, 1329.
 Berlin: 0.56 gr., 0.60 gr., 0.69 gr. (PLATE XLIII); BM: (SSB-127-66)
 0.76 gr.
1362. *Obv.*: +€...IAD-IRE... Karolus monogram.
Rev.: +METTIϞCIVITAϞ. Cross. Obolus.
 Prou 133.
 Paris: 0.59 gr.
1363. *Obv.*: +CRATIAID-IIIX. Karolus monogram.
Rev.: +IIETTISCIVIT. Cross. Denarius.
 Brussels: 1.17 gr.

TOUL

1364. *Obv.*: +KAROLVSREX. Cross with one dot in each corner.
Rev.: TVLLO. Denarius.
 Prou 139 140; Gariel LII, 76 (Gariel Coll.).
 Meyer Coll., 416; Hamburger Nov. 1912, 108; Cahn Dec. 1932, 1330.
 Paris: 1.23 gr.; Berlin: 1.37 gr. (PLATE XLIII).
1365. *Obv.*: +KAROLVSREX. Cross with one dot in each corner.
Rev.: TVLLO. Obolus.
 Prou 141; Gariel LII, 77 (Gariel Coll.).
 Gariel Coll., 1239.
 Paris: 0.63 gr.; Berlin: 0.51 gr. (PLATE XLIII).

VERDUN

1366. *Obv.*: +CAROLVS. REX, in field.
Rev.: +VIRDVNCIVITVS. Cross. Denarius.
 Prou 165; Gariel LII, 88 (Gariel Coll.).
 Rousseau Coll., 544; Gariel Coll., 1245; Meyer Coll., 421; Bordeaux
 Coll., 350; Ratto Dec. 1930, 2605.
 Paris: 1.27 gr.; Brussels: (Inv. 144) 1.56 gr. (var.); Hermitage: 1.45 gr.
1367. *Obv.*: +CAROLVS. REX, in field.
Rev.: +VIRDVIIICVITS. Cross. Denarius.
 Gariel LII, 87 (Gariel Coll.).
 Gariel Coll., 1243, 1244.
 Berlin: 1.38 gr., 1.48 gr. (PLATE XLIII).
1368. *Obv.*: +CAROLVS. REX, in field.
Rev.: +VIRIDVNC...VIS. Cross. Denarius.
 Prou 166.
 Paris: 1.28 gr.

Francia

ST-OMER

1369. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +SCIAVDOMARI. Cross. Denarius.
 Gariel XXXIV, 230 (BM); *BMS* 244, 245.
 BM: (38-7-10-1158-Cuerdale) 1.76 gr.
Find: Cuerdale.

SENLIS

1370. *Obv.*: +ITA᠙DIADIPEX. Karolus monogram.
Rev.: + /SILVA/IECTIS/ +. Denarius.
 Gariel LI, 70 (Voillemier Coll.).
 Berlin: 1.22 gr. (PLATE XLIII).

QUENTOVIC

1371. *Obv.*: +CARLVSREXFR. Karolus monogram.
Rev.: QVANTOVVICO. Cross with two dots at the end of each arm. Denarius.
 Prou 185; Gariel XLII, 54.
 Meyer Coll., 352.
 Paris: 1.45 gr.; Brussels: (Inv. 27) 1.40 gr.

MELLE

1372. *Obv.*: +CARLVSREXFR. Cross.
Rev.: +METVLLO Karolus monogram. Obolus (?).
BMS 249.
BM: (38-7-10-1181-Cuerdale) 1.01 gr.
Find: Cuerdale.
 The fabric of the two foregoing entries and the presence of the second in the Cuerdale find indicate that they belong to an issue of Charles the Simple, although they bear types used both by Charlemagne and by Charles the Bald.

THUN (NORD)

1373. *Obv.*: +CARLVSREF. Cross.
Rev.: +TVN+NIS. Karolus monogram. Denarius.
 Prou 212.
 Cahn Dec. 1932, 1219; Théry Coll., 391 (ex De Saulcy Coll.).
 Paris: 1.69 gr.; Brussels: 1.40 gr.
1374. *Obv.*: +CARLVSRE. Cross with a point in each corner.
Rev.: +TVN+NIS. Karolus monogram. Denarius.
 Gariel XL, 9 (Gariel Coll.).
 Gariel Coll., 1127.
 Berlin: 1.63 gr. (PLATE XLIII).

BEAUVAIS

1375. *Obv.*: +CAROLVSREXFRAN. Cross.
Rev.: +BELGEVACVSCIVI. Karolus monogram. Denarius.
 Prou 256, 257; Gariel XLII, 42 (Gariel Coll.).
 Gariel Coll., 902, 903, 1142; Meyer Coll., 343; Bordeaux Coll., 332;
 Lockett Coll., 356; Norman Coll., 550; Hess, Lucerne July 1933, 96;
 Théry Coll., 516, 517.
 Paris: 1.91 gr., 1.82 gr.; ANS: 1.24 gr., 1.55 gr. (PLATE XLIII), 1.48 gr. (fragment), 1.58 gr., 1.62 gr., 1.62 gr., 1.65 gr., 1.66 gr., 1.67 gr., 1.68 gr., 1.74 gr., 1.74 gr., 1.74 gr., 1.76 gr., and 1.41 gr. (with FRN); *BM*: (38-7-10-1151) 1.54 gr.; Grierson: 1.48 gr.
Find: "ANS Find;" Cuerdale.

1376. *Obv.*: +CAROLVSREXFRAN. Cross.
Rev.: +BEEVACVSCIVI. Karolus monogram. Denarius.
 Prou 258; Gariel XXVII, 49 (Gariel Coll.).
 Paris: 1.31 gr.; Berlin: 1.45 gr., 1.71 gr. (PLATE XLIII); ANS: 1.61 gr.
 (BELEEVNCVSCIVI).
Find: Arras; "ANS Find."

SOISSONS

1377. *Obv.*: +GR^oAI^oIA^oDIRE^oX. Karolus monogram.
Rev.: + /C₁VTAS/SVESSI^o /., with a bar between the lines of
 the inscription. Denarius.
 Copenhagen: (T. 1252) 1.24 gr. (damaged) (PLATE XLIII).
 1378. *Obv.*: +GRATIA^oD-IRE^oX. Karolus monogram.
Rev.: .:/2AI22IO/CIVIIV2/+ . Denarius.
 BMS 246.
 BM: (SSB-127-60) 1.15 gr.

RHEIMS

1379. *Obv.*: +CRACIAD-IRECX. Karolus monogram.
Rev.: +REMI2QVITA2. Cross. Denarius.
 Prou 303.
 Paris: 1.62 gr. (PLATE XLIII).
 1380. *Obv.*: +CRATIA^o-IRI. Karolus monogram.
Rev.: +RMESCIVITA2. Cross. Denarius.
 Gariel XXXIII, 195.
 Berlin: 1.49 gr.
 1381. *Obv.*: +GRATIAD-IRE. Karolus monogram.
Rev.: +REMI2CIVITA. Cross. Obolus.
 Gariel XXXIII, 198 (Gariel Coll.).
 Berlin: 0.84 gr.
 1382. *Obv.*: +CRATIA...ERN. Karolus monogram.
Rev.: ...EMISCIVITAS. Cross. Obolus.
 Gariel LI, 63 (Musée de Reims).
 1383. *Obv.*: +CRATIA...DRE+. Karolus monogram.
Rev.: +REMISCIVITAI. Cross. Obolus.
 Gariel XXXIII, 197 (Gariel Coll.).
 1384. *Obv.*: +CRACIAD-REX. Karolus monogram.
Rev.: +REMICA...AI. Cross with one dot in each of two diagonal
 corners and one crescent in each of the others. Obolus.
 Gariel LI, 65 (Gariel Coll.).
 Berlin: 0.71 gr.

1385. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +REMISCIVITAS. Cross with X in one corner. Denarius.
 Prou 304 = Gariel LI, 64.
 Cahn Dec. 1932, 1295.
 Paris: 1.44 gr.
Find: Evreux.
1386. *Obv.*: +GRATIAD-IRE+X. Karolus monogram.
Rev.: +REMISCIVITAS. Cross with crescent in one corner. Denarius.
 Gariel LI, 62 (Musée de Reims).
Find: Evreux.
1387. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +REMISCIVITAS. Cross with point in one corner. Denarius.
 Gariel LI, 61 (Musée de Reims).
1388. *Obv.*: ·X· ·C·R·ATI↑·D· -REX. Karolus monogram.
Rev.: +RIMISCIVITAS. Cross with three dots in each of three corners. Denarius.
 Gariel XXXIII, 196 (Glizy find).
 Berlin: 1.38 gr.
Find: Glizy.
1389. *Obv.*: +GRACIAD-IREX. Karolus monogram.
Rev.: +REMISCIVITAS. Cross. Denarius.
 Prou 301, 302; Gariel XXXIII, 194 (Glizy find); *BMS* 247.
 Kress Oct. 1960, 1475; Kress Nov. 1966, 1478.
 Paris: 1.45 gr., 1.50 gr., Berlin: 1.27 gr.; ANS: 1.67 gr. (PLATE XLIII);
 BM: (SSB-127-56) 1.64 gr.; Brussels: (Inv. 116) 1.52 gr., 1.57 gr.,
 1.57 gr., 1.65 gr.; Copenhagen: (T. 1251) 1.52 gr., (T. 1250) 1.78 gr.;
 Grierson: 1.45 gr.
Find: Glizy; "ANS Find."

CHÂLONS-SUR-MARNE

1390. *Obv.*: +CRAT...EX. Karolus monogram.
Rev.: + / CATA/AVN/·, with a line of dots between the lines of the inscription. Obolus.
 Gariel XLIX, 19 (du Lac Coll.).

PARIS

1391. *Obv.*: +CRATIADIREX. Karolus monogram.
Rev.: + / PARISI/CIVITA/ +, with a line of dots between the inscription. Denarius.

Prou 334; Gariel LI, 57 (Gariel Coll.).
 Kricheldorf May 1956, 369; Kress Oct. 1960, 667; Théry Coll., 538
 (ex Bordeaux Coll.).
 Paris: 1.60 gr.; Berlin: 1.44 gr. (PLATE XLIII); ANS: 1.72 gr.; Copenhagen: (T. 1246) 0.99 gr.; Garrett: (6161) 1.24 gr.; Grierson: 1.23 gr. (damaged); 1.68 gr.; Hermitage: 1.09 gr.
Find: Evreux.

1392. *Obv.*: +CRATIAD-IREX. Karolus monogram.

Rev.: + / PARIS/SIVI-/+. Denarius.

Gariel LI, 58 (Gariel Coll.).

1393. *Obv.*: +CRATIADIREX. Karolus monogram.

Rev.: + / PARSI/CIVITA / +, with a line of dots between the lines of the inscription. Denarius.

Prou 335.

Paris: 1.32 gr.

1394. *Obv.*: +CRATIAD-... Karolus monogram.

Rev.: ::/PARI/ISII+, with a line of dots between the lines of the inscription. Obolus.

Prou 336 = Gariel LI, 56.

Paris: 0.82 gr. (PLATE XLIII).

1395. *Obv.*: +CRATAIPEX. Karolus monogram.

Rev.: + / PARISI/CIVITA/+. Obolus.

Gariel LI, 59 (Cabinet de France, but not in Prou).

ST-DENIS

1396. *Obv.*: +CRATIAD-IREX. Karolus monogram.

Rev.: ::/SCIAIO/NVSII/::, with three bars, one above and one below each line of the inscription. Denarius.

Prou 354; Gariel LI, 69 (Poey d'Avant, no. 20).

Gariel Coll., 1234; Meyer Coll., 414; Motte Coll., 140; Théry Coll., 539.

Paris: 1.53 gr.; Berlin: 1.65 gr. (PLATE XLIV).

MEAUX

1397. *Obv.*: ...RATIADIREX. Karolus monogram.

Rev.: + /MEIbI/ SCIAIS/ +, with a line of dots between the lines of the inscription. Denarius.

Gariel L, 42 (Gariel Coll.).

Gariel Coll., 1219, 1220; Bordeaux Coll., 339.

Berlin: 1.11 gr.

1398. *Obv.*: +GRATI'APMREX. Karolus monogram.
Rev.: + /MELI/CIVIS/ + (retrograde). Denarius.
 Gariel L, 43 (Poey d'Avant, no. 6005).
1399. *Obv.*: ...RATIADIR... Karolus monogram.
Rev.: + /MELDI/- -IAIS/ +. Obolus.
 Gariel L, 44 (Combrouse, pl. XL, 2).
 Berlin: 0.26 gr. (fragment).

Neustria

LISIEUX

1400. *Obv.*: +CAROLVSREXFR. Cross.
Rev.: +LIXOVIVSCIV. Karolus monogram. Denarius.
 Gariel L, 38 (Combrouse, pl. XXV, 1).

BEAUGENCY

1401. *Obv.*: +CRATIAD-IEEX. Karolus monogram.
Rev.: +BAIEENTICASTR. Cross. Denarius.
 Gariel XLIX, 5 (Evreux find).
 Gariel Coll., 1204.
 Berlin: 1.10 gr.
Find: Evreux, 1.12 gr., 1.15 gr.; Evreux (St-Taurin).
1402. *Obv.*: ✠GRATIAD-IREX. Karolus monogram.
Rev.: +BALGENTICASTR✠. Cross with one dot in each of two diagonal corners. Denarius.
 Gariel XLIX, 6 (RN 1839, p. 204).
1403. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +BAICENTISCASTELI. Cross. Denarius.
 Bourgey Pricelist II 1961, 292.

LE MANS

1404. *Obv.*: XGRATIAD-IREX. Karolus monogram.
Rev.: +CIIIIIIISCVI...TAP. Cross. Denarius.
 Gariel L, 35 (Gariel Coll.).
 Gariel Coll., 1215; Bordeaux Coll., 337.
 Berlin: 1.08 gr., and one additional exemplar lost, no weight recorded.
Find: Evreux.
1405. *Obv.*: +CPATIAD-IREX. Karolus monogram.
Rev.: +CINODANISCIVITAS. Cross. Denarius.
 Gariel LIV, 25 (Gariel Coll.).
 Gariel Coll., 1252; Hess 1905, 58.
 Berlin: 1.12 gr., 1.46 gr.

TOURS

1406. *Obv.*: EDII...TARX. Karolus monogram.
Rev.: ...TVN \diamond NESCR...TA... Cross. Denarius.
 Gariel XXXVI, 270.

ANGERS

1407. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +ANDEGAVISCIVITAS. Cross. Denarius.
 Gariel XXV, 9 (Gariel Coll.).
 Hamburger Nov. 1912, 58; Hamburger Feb. 1928, 1789; Cahn April 1929, 20; Kress Oct. 1960, 1430.
 Berlin: 1.50 gr.
1408. *Obv.*: +CRATIAD-IREX. Karolus monogram.
Rev.: +ANDECAVISCIVITAS. Cross with one dot in each of two diagonal corners. Denarius.
 Prou 438; Gariel XLIX, 1 (Gariel Coll.), 2 (Gariel Coll., var., one dot in one corner of reverse cross).
 Gariel Coll., 1201, 1202; Cahn Dec. 1932, 1283.
 Paris: 1.45 gr.; Berlin: 1.65 gr. (PLATE XLIV); Stuttgart: (MV/1956/256) 1.50 gr.
Find: Courbanton II; Courbanton III; Evreux.
 The presence of this type in the three finds specified indicates that it was struck both by Charles the Bald and by Charles the Simple.

ORLÉANS

1409. *Obv.*: +GRATIAD-IREX. Karolus monogram.
Rev.: +AVREIIANISCIVITAS. Cross. Denarius.
 Prou 521.
 Paris: 1.57 gr.
Find: Bourgneuf; Vaux-de-Vire; Savigné-sous-le-Lude; Cuerdale.
 The presence of this type in the four finds specified indicates that it was struck both by Charles the Bald and by Charles the Simple.
1410. *Obv.*: +CRITIAD-IREX. Karolus monogram.
Rev.: +AVR \diamond ELNSCIATA2. Cross. Denarius.
 Gariel XLIX, 4 (Gariel Coll.).
 Gariel Coll., 1224; Hess Oct. 1903, 1342.

ETAMPES

1411. *Obv.*: +CRATIAD-IREX. Cross.
Rev.: + /STAM/bIS/ ++. Denarius.
 Gariel LIII, 21 (Cabinet de France, but not in Prou. *RN* 1839, p. 100).

1412. *Obv.*: +IHLRXREX -I. Karolus monogram.
Rev.: +STAMPISCASTELLVM. Cross. Obolus.
 Gariel LVII, 14 (Cabinet de France, but not in Prou).

Burgundy

TROYES

1413. *Obv.*: +CDACIADIREX. Karolus monogram.
Rev.: +TRECASCIVI: Cross. Denarius.
 Prou 549. (Prou comments, "Ce denier n'a pas été frappé avant la fin du Xe siècle ou le commencement du XIe siècle.")
 Rousseau Coll., 517; Bordeaux Coll., 315; Meyer Coll., 420; Schulman Oct. 1913, 397; Frankfurter Münzhandl. January 1957, 442; Kress Oct. 1960, 1483.
 Paris: 1.35 gr.; ANS: 1.51 gr. (PLATE XLIV); Copenhagen: (K. P. 356) 1.45 gr.
1414. *Obv.*: +CATIAD-IPEX. Karolus monogram.
Rev.: +ECASCIVITAS (retrograde). Cross. Denarius.
 Gariel XXXVI, 273 (Gariel Coll.).
 Gariel Coll., 1054.
 Berlin: 1.21 gr.

SENS

1415. *Obv.*: +CARLVSREX. Cross.
Rev.: SENO*/NES. Denarius.
 Prou 570; Gariel LI, 71 (Gariel Coll.).
 Gariel Coll., 1235.
 Paris: 1.23 gr.; Berlin: 1.29 gr.
1416. *Obv.*: +CARLVSREXFR. Cross.
Rev.: SENO*/NES. Denarius.
 Prou 569.
 Paris: 1.36 gr.

SEMUR

1417. *Obv.*: +CRATAR-IREX. Karolus monogram.
Rev.: +SIMENVROCASTRO. Cross. Denarius.
 Gariel XXXV, 241 (Gariel Coll.).
 Gariel Coll., 1033.
 Berlin: 1.72 gr. (PLATE XLIV).

ST. NAZAIR (AUTUN)

1418. *Obv.*: +CARLGRATD-I. R, in field.
Rev.: +MONT•SNAZ. Cross. Obolus.
 Gariel XXXIX, 15 (Poey d'Avant, no. 5637; de Ferrari Coll.).
Find.: Issy-l'Evêque.
1419. *Obv.*: +KARL•CTD. R, in field.
Rev.: +MON +SNAZ. Cross. Denarius.
 Prou 603; Gariel XXXIX, 16 (Gariel Coll.), 17 (Poey d'Avant, no. 5639).
 Rousseau Coll., 446; Gariel Coll., 1120; Hamburger Sept. 1926, 16;
 Münz. u. Med. Dec. 1957, 691, 1.76 gr.; Lockett Coll., 355; Kricheldorf
 Nov. 1960, 313; Tinchant Pricelist Feb. 1962, 164; Théry Coll., 514.
 Paris: 1.70 gr.; ANS: 1.71 gr., 1.74 gr.; Berlin: (PLATE XLIV); Grier-
 son: 1.32 gr. (var.); Hermitage: 1.74 gr.; Vienna: 1.59 gr.
1420. Same as foregoing. Obolus.
 Gariel XXXIX, 18 (Gariel Coll.).
 Gariel Coll., 1121; Meyer Coll., 336.
 Berlin: (PLATE XLIV).

Aquitaine

LIMOGES

1421. *Obv.*: +CARLVSREXR. Karolus monogram.
Rev.: +LIMOVICASCIVIS. Cross. Denarius.
 Gariel L, 37 (Cuerdale find); *BMS* 248.
 Berlin: (PLATE XLIV); BM: (38-7-10-1150-Cuerdale) 1.80 gr.
Find.: Cuerdale.
1422. *Obv.*: +CARLVSREXFR. Karolus monogram.
Rev.: +LIMOVICASCIVI. Cross. Denarius.
 Gariel XXIII, 57 (Combrouse, pl. XXVIII, no. 18).
 Berlin: 1.78 gr.

Provence

ARLES

1423. *Obv.*: +CARLVSREX. Cross.
Rev.: +ARELACIVSX. Karolus monogram. Denarius.
 Prou 862.
 Bordeaux Coll., 244; Münzhandl. Basel Dec. 1935, 24.
 Paris: 1.55 gr.; Copenhagen: (K. P. 850) 1.38 gr. (PLATE XLIV).

Indeterminate Mints

1424. *Obv.*: +CARLVSREX. Cross with one S in each of two diagonal corners.

Rev.: ...LE..OOIII ∞ . Head *en face*. Denarius.

(Grunthal, p. 53, suggests an attribution to Blainville near Lunéville).

Gariel XLIX, 12 (Gariel Coll.), 13 (Gariel Coll.).

Gariel Coll., 1205, 1206, 1207; Meyer Coll., 402; Bordeaux Coll., 338;

Hess Oct. 1903, 1341; Peus Nov. 1954, 1762.

Berlin: 0.76 gr., 0.88 gr.

1425. *Obv.*: +CARLVSREX. Cross with one dot in each corner.

Rev.: BLE↑ONIS. Temple. Denarius.

(Grunthal, p. 53, suggests an attribution to Blainville near Lunéville).

Gariel XLIX, 9 (Gariel Coll.).

Rousseau Coll., 520; Hirsch April 1960, 1354; Théry Coll., 533.

Berlin: 0.88 gr., 0.97 gr., 0.99 gr.; Brussels (var.); Copenhagen: (K. P. 777) 0.75 gr., (K. Pr., p. 130) 1.08 gr., (T. 3410) 1.20 gr.

Find: Haute-Isle.

1426. *Obv.*: +CA...VSREX. Cross.

Rev.: BL...δONIS. Temple. Obolus.

(Grunthal, p. 53, suggests an attribution to Blainville near Lunéville).

Gariel XLIX, 10 (Meyer Coll.); *BMS* 250.

Meyer Coll., 403.

BM: (57-9-1-44-IGP) 0.85 gr.

1427. *Obv.*: +CA...SRE... Cross with one circle in each of two diagonal corners.

Rev.: BL⊥DoNIS. Temple roof surmounted by a cross and resting on two steps. S beneath. Denarius.

Vatican: 0.76 gr. (fragment).

1428. *Obv.*: +CRATIADREX. Karolus monogram.

Rev.: +BOIOIIISCIVII. Cross. Denarius.

Gariel XXVII, 54 (BM); *BMS* 251.

BM: (38-7-10-1163-Cuerdale), 1.19 gr.

Find: Cuerdale.

1429. *Obv.*: +CARLVSRCX. Cross.

Rev.: +BRIVIOVICI. Karolus monogram. Denarius.

Prou 944; Gariel XXII, 47 (Gariel Coll.).

Gariel Coll., 833; Münz. u. Med. Dec. 1948, 163.

Paris: 1.77 gr.; Berlin: 1.76 gr.

Find: Tiszaeszlár (rev. inscription is recorded as BRIVIO).

1430. *Obv.*: +CAILVSREX. Cross.

Rev.: IBRIVIOVICO. Karolus monogram. Obolus.

Grierson: 0.84 gr.

1431. *Obv.*: +CPATIADI. Karolus monogram.
Rev.: + /CASEI/CIITA/ +, with a line of dots between the lines of the inscription. Obolus.
 Prou 973 = Gariel XLIX, 18.
 Paris: 0.51 gr. (PLATE XLIV).
1432. *Obv.*: +CRATIADIREX. Karolus monogram.
Rev.: + /CAS LI / CIITAS/ +, with a line of dots between the lines of the inscription. Denarius.
 Prou 974 = Gariel XLIX, 17 (Gariel Coll.).
 Gariel Coll., 1210; Meyer Coll., 398.
 Paris: 1.42 gr. (PLATE XLIV); Berlin: 0.70 gr.; Blunt: 1.59 gr.
1433. *Obv.*: +HROLVSPIVSREX. Cross.
Rev.: TORE•/NACIVIT. Denarius.
 Gariel LII, 82 (RBN 1863, pl. XIV, 5).
Find: Cuerdale(?).
1434. *Obv.*: GRATIAD-IREX. Karolus monogram.
Rev.: +VENDENISCASTR◊. Cross. Denarius.
 Prou 966; Gariel LII, 84 (Evreux find).
 Paris: 1.46 gr. (PLATE XLIV).
Find: Roches-l'Evêque; Evreux; Evreux (St-Taurin).
1435. *Obv.*: +CRATIAD-REX. Karolus monogram.
Rev.: +VENDENISCASTR◊. Cross with one dot in each of two diagonal corners. Denarius.
 Prou 967 = Gariel LII, 85; Gariel XXXVI, 281 (Gariel Coll.).
 Gariel Coll., 1060; Meyer Coll., 316; Kricheldorf May 1956, 355; Kress Oct. 1960, 1484; Théry Coll., 500.
 Paris: 1.52 gr.; Berlin: 1.13 gr., 1.47 gr. (PLATE XLIV); ANS: 1.12 gr. (Kress specimen).
1436. *Obv.*: +CARLVSREX. Cross.
Rev.: X+PIANAREIIICIO. Karolus monogram. Denarius.
 Prou 1067; Gariel XLV, 62 (Gariel Coll., var.).
 Paris: 1.75 gr.; ANS: 1.32 gr., 1.92 gr.; Brussels: (Inv. 150) 1.34 gr., (Inv. 147) 1.39 gr., (Inv. 149) 1.45 gr., (Inv. 148) 1.59 gr.
1437. *Obv.*: +CARLVSREX. Cross.
Rev.: X+RIAIHIIICIO. Karolus monogram. Denarius.
 Prou 1068; Gariel XLV, 69 (Gariel Coll.).
 Paris: 1.50 gr. (PLATE XLIV); Berlin: 1.40 gr., 1.53 gr.
1438. *Obv.*: +CARLVSPIX. Cross.
Rev.: X+RIAIHIIICIO. Karolus monogram. Obolus.

Late Ninth-Century Issues of an Emperor Charles 301

Prou 1069; cf. Gariel XLV, 70 (Langres find).
Paris: 0.63 gr.; Brussels: (Inv. 129) 0.73 gr. (var.).
Find: Langres.

1439. *Obv.*: +CARLVSP1X. Cross.
Rev.: X+RIAI1A1ICIO, Karolus monogram. Denarius.
Copenhagen: (K. P. 841) 1.46 gr.

For additional types supposedly struck both by Charles the Bald and by Charles the Simple, see the listings for Angers, Blois, "BRVDON-SONT," Bruges, Cambrai, Evreux, Le Mans, Melle, Orléans, Paris, and Tours under Charles the Bald.

LATE NINTH-CENTURY ISSUES IN THE NAME OF
AN EMPEROR CHARLES

Alsace

STRASSBURG

1440. *Obv.*: +KAROLVSRIMP1EX. Cross.
Rev.: ARGENTI/•/HACIVIT. Denarius.
J. Lelewel, *Numismatique du moyen-âge*, pt. I (Paris, 1835), p. 88.

Lorraine

MAASTRICHT

1441. *Obv.*: +INPERATORACVSTVS. Karolus monogram.
Rev.: +INPORTOTRIECTO. Cross. Denarius.
Prou 90 = Gariel XL, 16.
Paris: 1.65 gr. (PLATE XLIV).
1442. *Obv.*: +INPIRATORACVSTVS. Karolus monogram.
Rev.: +INPORTOTRIECTO. Cross. Denarius.
Prou 91.
Paris: 1.66 gr.

MONS

1443. *Obv.*: +CAROLVSINRA. Karolus monogram.
Rev.: +CASTRALOCMO. Cross. Denarius.
Prou 106.
Paris: 1.69 gr.; Brussels: (Inv. 130) 1.29 gr. (var. +CAROV2MRIAI;
CA2TRALOCIMO).

1444. *Obv.*: +CAROLVSINRAT. Karolus monogram.
Rev.: +CASTRALOCIMO. Cross. Denarius.
 Gariel XL, 19 (Gariel Coll.).
 Gariel Coll., 1131 (ex Glizy).
 Berlin: 1.49 gr. (PLATE XLIV); Brussels: 1.57 gr.
Find: Glizy.

ST-GÉRY (CAMBRAI)

1445. *Obv.*: +IMPERATORAGVST. Karolus monogram.
Rev.: +SCIGAVGERICIMON. Cross. Denarius.
 Prou 125 = Gariel XLII, 56.
 Paris: 1.60 gr.; ANS: 1.66 gr. (PLATE XLV).
Find: Laxfield; Courbanton III.

METZ

1446. *Obv.*: +MIRERATORA. Karolus monogram.
Rev.: +METTISCIVITAS. Cross. Denarius.
 Gariel XL, 17 (Robert, p. 209).
 Berlin: 1.46 gr., 1.47 gr. (PLATE XLV).
1447. *Obv.*: +...IRERRA+OP.A. Karolus monogram.
Rev.: +METTISCIVITAS. Cross. Denarius.
 Gariel XL, 18 (Cuerdale find).
Find: Cuerdale.
1448. *Obv.*: +IEIREIPATORA. Karolus monogram.
Rev.: +METTISCIVITAS. Cross. Denarius.
 BMS 252.
 BM: (38-7-10-1154-Cuerdale) 1.47 gr. Probably the foregoing entry.
Find: Cuerdale.

VERDUN

1449. *Obv.*: +IMPERATORAVG. Karolus monogram.
Rev.: +VIPDVNICIVITAS. Cross with one dot in each corner.
 Prou 155.
 Paris: 1.57 gr. (PLATE XLV).
Find: Assen.
1450. *Obv.*: +IMPERATORACVST. Karolus monogram.
Rev.: +VIRDVNICIVITAS. Cross with one dot in each corner.
 Denarius.
Find: Bligny.

1451. *Obv.*: +IMPERATORA/G. Karolus monogram.
Rev.: +VIRDVNICIVITAS. Cross with one ball in each of two diagonal corners. Denarius.
Meyer Coll., 365.
Berlin: 1.48 gr. (PLATE XLV); ANS: 1.51 gr. (VRDVNICIVITAS).
Find.: "ANS Find."
1452. *Obv.*: +IMPERATORI. Karolus monogram.
Rev.: +VIRDVNICIVITS. Cross with one dot in each corner.
Prou 156, 157 (var.), 158 (var.).
Paris: 1.39 gr., 1.36 gr., 1.36 gr.; Brussels: (Inv. 86 var.) 1.18 gr.
Find.: "Verdun."
1453. *Obv.*: +IMPERATORI. Karolus monogram.
Rev.: +VIRDVNICIVI. Cross with one dot in each corner.
Prou 159, 160 (var.), 161 (var.).
Paris: 1.37 gr., 1.29 gr., 1.34 gr.
Find.: "Verdun."
1454. *Obv.*: +IMPERATORA. Karolus monogram.
Rev.: +VIRDVNICIVI. Cross with one dot in each corner. Denarius.
Prou 162.
Paris: 1.32 gr.
Find.: "Verdun."
1455. *Obv.*: +IMPERATI. Karolus monogram.
Rev.: +VINOVNICIVI. Cross with one dot in each corner. Denarius.
Prou 164.
Paris: 1.07 gr.
1456. *Obv.*: +IMPERATI. Karolus monogram.
Rev.: +VIRDVNICIV. Cross with one dot in each corner. Denarius.
Prou 163; Gariel XLI, 26 (Robert, pl. XIV, 9).
Paris: 1.36 gr.
Find.: "Verdun;" Hon.
1457. *Obv.*: +REXIMPERATOR. Karolus monogram.
Rev.: +VIRDVNVMCVI. Cross with one dot in each corner. Denarius.
Prou 154; Gariel XLII, 59 (Gariel Coll.); Robert Coll. 1054.
Gariel Coll., 1153; Meyer Coll., 317; Cahn March 1913, 25. A forged reverse die exists. Cf. Grierson, *ANSCent. Publ.*, p. 313, 9.
Paris: 1.18 gr.; Berlin: 1.39 gr.; Dickie: 1.25 gr.

1458. *Obv.*: +REXIMPERATOR. Karolus monogram.
Rev.: +VIRDVNICIVITAS. Cross with one dot in each corner.
 Denarius.
 ANS: 1.47 gr. (VIRDVNCIVITAS).
Find: Bligny; "ANS Find."

Francia

TOURNAI

1459. *Obv.*: +CDATIAD-IIMDER. Karolus monogram.
Rev.: +TORNAIIPORTI. Cross. Denarius.
 Marcel Hoc, *Bulletin de la Société française de numismatique* (Feb. 1966), pp. 12 f., cites a denarius in the collection of M. R. Symoens, Brussels, with rev. inscription TVRNACO CIVIT. Hoc assigns these coins to the reign of Charles the Bald.
1460. *Obv.*: +CDATIIAD-VMRER. Karolus monogram.
Rev.: +TORIIAIPORT. Cross. Denarius.
 Prou 204 = Gariel XLI, 23.
 Paris: 1.78 gr. (PLATE XLV).
Find: Glizy.
 Prou 205; Gariel XXXVI, 265 (Gariel Coll., Arras find), XLI, 24 (same piece).
 Gariel Coll., 1133.
 Berlin: 1.72 gr.; Brussels: 1.72 gr.
Find: Arras.

LENS

1461. *Obv.*: +IRATIAD-IIMR. Karolus monogram.
Rev.: +LENNISFISCO. Cross. Denarius.
 Prou 213; Gariel XL, 15 (Combrouse, pl. XXXI, 4).
 Paris: 1.64 gr. (PLATE XLV); Berlin: 1.41 gr.

Burgundy

AUXERRE

1462. *Obv.*: +CAROLVSIMPAV. Cross.
Rev.: +AVTISIDERCIVIS. Karolus monogram. Denarius.
 Gariel XXIV, 86 (Auxerre).
1463. *Obv.*: ...ARLVSIMP... Cross.
Rev.: +AVTISIRECIVIT. Karolus monogram. Obolus.
 Prou 592.
 Paris: 0.59 gr.

NEVERS

1464. *Obv.*: +CARLVSI \overline{M} PAVC. Cross.
Rev.: +NEVER \overline{N} ISCIVIT. Karolus monogram. Denarius.
 Prou 596; Gariel XXIV, 91 (Gariel Coll.); *BMS* 253.
 Paris: 1.36 gr., (596a) 1.30 gr. (PLATE XLV); Berlin: 1.56 gr., 1.60 gr.;
 ANS: 1.45 gr., 1.55 gr.; Blunt: 1.59 gr.; Bodleian/Ashmolean (two
 exemplars); BM: (38-7-10-1131-Cuerdale) 1.48 gr.; Brussels: 1.48 gr.;
 Copenhagen: (K. P. p. 152) 1.34 gr.; Holmes: 1.61 gr.; Van Rede:
 (B1260) 1.54 gr.
Find: Gannat; Cuerdale; Issy-l'Evêque.
1465. *Obv.*: +CARLVSI \overline{M} PAVC. Cross.
Rev.: +NEVER \overline{N} ISCIVITAI. Karolus monogram. Denarius.
 Prou 597.
 Cahn Dec. 1932, 1309; Cahn 1934, 2257; Münzhandl. Basel Oct. 1936,
 318; Münz. u. Med. Dec. 1957, 688, 1.66 gr.; Kress Oct. 1960, 1460,
 1491.
 Paris: 1.57 gr.; Van Rede: (B1261) 1.61 gr.
Find: Moulin-Gargot, 1.77 gr.
1466. Same as foregoing. Obolus.
Find: Moulin-Gargot, 0.83 gr.
1467. *Obv.*: +CARLVSI \overline{M} PAVC. Cross.
Rev.: +NEVER \overline{N} ISCIVIT. Karolus monogram. Obolus.
 Prou 598.
 Meyer Coll., 226; Kricheldorf May 1956, 359; Münz. u. Med. Nov. 1964,
 19.
 Paris: 0.52 gr.; Berlin: 0.82 gr.; ANS: 0.64 gr.
1468. *Obv.*: +CARLVSI \overline{M} PAVC. Cross.
Rev.: +NEVER \overline{N} ISCVTA. Karolus monogram. Denarius.
 ANS: 1.57 gr.
Find: Moulin-Gargot, 1.72 gr.
1469. *Obv.*: +KA+RO+ \angle +AVG. Cross with one dot in each corner.
Rev.: +IN+TER+ \angle . Cross with one dot in each corner. De-
 narius.
 Gariel XL, 13 (Gariel Coll.).
1470. *Obv.*: +KRO+IVS+AVC. Cross with one dot in each corner.
Rev.: +IN+TER+ \angle . Cross with one dot in each corner.
 Denarius.
 Gariel XL, 14 (Cuerdale).
Find: Cuerdale.

LANGRES

1471. *Obv.*: +KAROLVSIMPR. Karolus monogram.
Rev.: +LINGONISCIVITA2. Cross. Denarius.
 Prou 610; Gariel XLII, 49 (var., +K:AROLVSIMPR, stock of Hoffmann).
 Paris: 1.49 gr.

CHALON-SUR-SAÔNE

1472. *Obv.*: +NCAROLVSIMPER. Cross.
Rev.: +CAVNONI2CIVI2. Karolus monogram. Denarius.
 Prou 617.
 Théry Coll., 440; Jean Vinchon Nov. 1966, 63.
 Paris: 1.68 gr.
Find: Bourgneuf (var.); Chalon-sur-Saône (1893); Hoard of the Holy Family (?).
1473. *Obv.*: +IICAIOIVSIIPEP. Cross.
Rev.: +CAVNOHI2CIVI2. Karolus monogram. Denarius.
 Prou 618.
 Paris: 1.82 gr.; ANS: 1.57 gr.
1474. *Obv.*: +IICAIOLVSIIIPER. Cross.
Rev.: +CAVNONI2CIV2. Karolus monogram. Denarius.
 Prou 619.
 Bordeaux Coll., 293.
 Paris: 1.73 gr.; ANS: 1.67 gr., 1.73 gr., 1.75 gr. (PLATE XLV); Brussels: 1.55 gr.; Copenhagen: (K. P. 828) 1.70 gr.
1475. *Obv.*: +CHAIOIVSIREP. Karolus monogram.
Rev.: +CAVIIONISCIVI2. Cross. Denarius.
 Gariel XXIV, 89 (Gariel Coll.).
 Gariel Coll., 862; Münz. u. Med. Dec. 1949, 469; Kricheldorf May 1956, 358.
 Berlin: 1.38 gr., 1.57 gr., 1.60 gr.
1476. *Obv.*: +IIIAIOIVSIMPEP. Karolus monogram.
Rev.: +CAVILONI2CIVS. Cross. Denarius.
 Prou 620.
 Paris: 1.65 gr.
1477. *Obv.*: +IIIAIOIVSIIPEP. Karolus monogram.
Rev.: +CAVNONI2CIV2. Cross. Denarius.
 Prou 621.
 Paris: 1.66 gr.; Brussels: 1.72 gr.
Find: Bourgneuf; Chalon-sur-Saône (1956).

1478. *Obv.*: +CIIAIDIVSIIPEP. Karolus monogram.
Rev.: +CAVILONI2. Cross. Denarius.
Find: Bourgneuf.

Aquitaine

BOURGES

1479. *Obv.*: +CARLVSIMPAVC. Cross.
Rev.: +BITVRICESCIVIT. Karolus monogram. Denarius.
Prou 743, 744.
Rousseau Coll., 410; Gariel Coll., 824-832; Meyer Coll., 221; Cahn Dec. 1932, 1301; Hess, Lucerne July 1933, 85; Cahn 1934, 2257; Frankfurter Münzhandl. April 1960, 254; Kress Oct. 1960, 1487.
Paris: 1.70 gr., 1.31 gr.; ANS: 1.69 gr., 1.71 gr. (PLATE XLV); Blunt: 1.72 gr.; Bodleian/Ashmolean (two exemplars); Brussels: 1.42 gr.; Copenhagen: (K. P. 366) 1.70 gr., (K. P. 727) 1.55 gr.; Grierson: 1.59 gr., 1.77 gr.; Holmes: 1.82 gr.; Munich: 1.48 gr.; Vatican: 1.16 gr.; Yale: 1.70 gr.
Find: Bonnevaux; Evreux; Evreux (St-Taurin); Moulin-Gargot; Cuerdale; Bourges (1931).
1480. *Obv.*: +CARLVSIMPAVC. Cross.
Rev.: +BITVRICESCIVIT. Karolus monogram. Obolus.
Prou 745, 746; Gariel XXIV, 88 (de Laugardièr Coll.); BMS 254-256. Münzhandl. Basel, Oct. 1936, 316; Schulman 1931, 112, 113, 114; Kricheldorf May 1956, 357; Münz. u. Med. Nov. 1964, 15.
Paris: 0.67 gr., 0.77 gr.; Berlin: 0.75 gr.; BM: (38-7-10-1129-Cuerdale) 1.56 gr., (1908-10-11-253) 1.47 gr., (and one additional exemplar without inventory number) 1.48 gr.; Hermitage: 1.69 gr.; Van Rede: (B1252) 0.86 gr.
Find: Bonnevaux; Gannat; Moulin-Gargot; Cuerdale.
1481. *Obv.*: +CARLVSIMPAVC. Cross.
Rev.: +BITVRICESCIVIT. Karolus monogram. Denarius.
Gariel XLII, 45 (Gariel Coll.).
Meyer Coll., 344.
Berlin: 1.51 gr., 1.63 gr.
1482. *Obv.*: +CARLVSIMPAVC. Cross.
Rev.: +BITVRICESCIVIT. Karolus monogram. Denarius.
Gariel XLII, 44 (Cuerdale find).
Rousseau Coll., 521, 522; Hamburger Feb. 1928, 1798.
Find: Arras; Gannat; Moulin-Gargot, 1.65 gr., 1.71 gr., 1.71 gr.; Cuerdale.
1483. Same as foregoing. Obolus.
Find: Moulin-Gargot, 0.65 gr.

1484. *Obv.*: +CARLVSI $\overline{\text{M}}$ PAVC. Cross.
Rev.: +BITVRICESCIVI. Karolus monogram. Denarius.
 Prou 747.
 Kress Oct. 1960, 1488; Kress Nov. 1966, 1481.
 Paris: 1.58 gr.; ANS: 1.47 gr.; Grierson: 1.67 gr., 1.76 gr.; Nelson: (53.114.1873).
1485. *Obv.*: +CARLVSIMPAVG. Cross.
Rev.: +BITVRICESCIVI. Karolus monogram. Denarius.
 Gariel XLII, 44 (Gariel Coll.).
 Cahn Sept. 1932, 1310; Cahn Dec. 1932, 1301; Cahn 1934, 2256;
 Gaetgens Dec. 1955, 154; Frankfurter Münzhandl. April 1960, 254;
 Kress Dec. 1961, 665.
 Vienna: 1.30 gr.
Find: Courbanton II; Courbanton III; Moulin-Gargot, 1.72 gr.
1486. *Obv.*: +CARLVSI $\overline{\text{M}}$ PAVC. Cross.
Rev.: +BITVRICESCIVT. Karolus monogram. Denarius.
 Prou 748.
 Paris: 1.60 gr.; Hermitage: 1.65 gr.; Vatican: 1.28 gr.
1487. Same as foregoing. Obolus.
Find: Moulin-Gargot, 0.65 gr.

Toulousain

TOULOUSE

1488. *Obv.*: +CARLVSIMPR $\overline{\text{r}}$. Cross.
Rev.: +TOLOSA+CIVI. CA/RL, in field. Denarius.
 Prou 821; Gariel XLII, 57 (Gariel Coll.), 58 (Gariel Coll., var.); *BMS* 257.
 Gariel Coll., 1151, 1152; Bordeaux Coll., 312; Théry Coll., 520.
 Paris: 1.64 gr.; Berlin: (PLATE XLV); ANS: 1.32 gr.; BM: (38-7-10-1132, damaged) 1.39 gr.; Grierson: 1.41 gr.
Find: Cuerdale; Hoard of the Holy Family; Vereb.
1489. *Obv.*: +CARIVSIMIR. Cross.
Rev.: TOLOSA+CIVI. CA/RI, in field. Denarius.
 Gariel LII, 78 (Gariel Coll.).
 Gariel Coll., 1240; Meyer Coll., 422.
 Berlin: 1.01 gr., 1.20 gr., 1.71 gr.
1490. *Obv.*: +CARLVSIMR. Cross.
Rev.: +TOLO ω A+CIVI. CA/RL, in field. Obolus.
 Prou 822; Gariel LII, 79 (Gariel Coll.).
 Gariel Coll., 1241; Meyer Coll., 423; Bordeaux Coll., 346.
 Paris: 0.60 gr., Berlin: 0.58 gr.

Septimania

BÉZIERS

1491. *Obv.*: +CARLVSINP. Cross.
Rev.: +BISTERRIS. Karolus monogram. Denarius.
Gariel XXIV, 87 (Poey d'Avant, 3813).
1492. *Obv.*: +CARLVSIMP. Cross.
Rev.: +BISTERRIS. Karolus monogram. Denarius.
Gariel XLII, 39 (Musée d'Avignon).
Find: Avignon.
1493. *Obv.*: +CARLVSINPR. Cross.
Rev.: +BISTERRISCIV. Karolus monogram. Obolus.
Gariel XLII, 40 (*RN* 1837, p. 342).
Find: Avignon.

NIMES

1494. *Obv.*: +KARLVSIIPER. Cross.
Rev.: +NIWISCIVISX. Karolus monogram. Denarius.
Gariel XL, 20 (Musée d'Avignon).
Gariel Coll., 1132.
Berlin: 1.42 gr. (PLATE XLV).
1495. *Obv.*: +KARLVSIIPER. Cross standing upon a C.
Rev.: +NIMISCIVIS+. Karolus monogram. Denarius.
Gariel XLI, 21 (Musée d'Avignon).

Provence

ARLES

1496. *Obv.*: +CARLVSINPERAT. Cross.
Rev.: +ARELACIVIS.+ Karolus monogram. Denarius.
Prou 869; Gariel XL, 10 (Musée d'Avignon); *BMS* 258.
Rousseau Coll., 429-434; Cahn Dec. 1932, 1308 (thirteen varieties from a French hoard).
Paris: 1.58 gr.; Berlin: 1.32 gr., 1.65 gr. (PLATE XLV); BM: (1908-10-11-253-Lincoln) 1.67 gr.; Brussels: 1.31 gr.; Copenhagen: (K. P. 727, 366) 1.27 gr., 1.47 gr.; Hermitage: 1.22 gr., 1.58 gr.; Stuttgart: (2vIIU. 1954/252) 1.33 gr.; Yale: 1.55 gr.
1497. Same as foregoing. Obolus.
Gariel XL, 12 (Musée d'Avignon).
Berlin: 0.74 gr.

1498. *Obv.*: +CARLVSIIPERAT. Cross.
Rev.: +ARELACIVIS+. Karolus monogram. Obolus.
 Prou 870.
 Paris: 0.48 gr.
1499. *Obv.*: +CARLVSINPERA. Cross.
Rev.: +ARELACIVISX. Karolus monogram. Denarius.
 Prou 861.
 Cahn Oct. 1929, 907.
 Paris: 1.74 gr.; ANS: 1.58 gr. (CIVIS)
Find: Bourgneuf; Avignon; Bonnevaux.
1500. *Obv.*: +CARLVSINPERA. Cross.
Rev.: +ARELVCI...I+. Karolus monogram. Denarius.
 Prou 872.
 Paris: 1.50 gr.
Find: Avignon.
1501. *Obv.*: +CARLVSIIPERA. Cross.
Rev.: +ARELACIVISX. Karolus monogram. Denarius.
 Prou 871.
 Paris: 1.37 gr.; Munich: 1.35 gr.
Find: Avignon.
1502. *Obv.*: +CAROLVSINPERI. Cross.
Rev.: +ARELACIVIS. Karolus monogram. Denarius.
 Gariel XL, 11 (Musée d'Avignon).
 Berlin: 1.33 gr.
Find: Avignon.
1503. *Obv.*: +CARLVSIIRER. Cross.
Rev.: +ARELACIVIS+. Karolus monogram. Denarius.
 Prou 873.
 Paris: 1.61 gr.
Find: Avignon.
1504. *Obv.*: +IAREVSIMRER. Cross.
Rev.: +ARELACIVIS+ Karolus monogram. Denarius.
 Prou 874.
 Paris: 1.67 gr.; ANS: 1.54 gr.
Find: Avignon.
1505. *Obv.*: +CARVISNPET. Cross.
Rev.: +ARELVCIASI+ Karolus monogram. Denarius.
 Prou 875.
 Paris: 1.62 gr.; Hermitage: 1.56 gr.
Find: Avignon.

1506. *Obv.*: +CARLVSINERAT. Cross.
Rev.: +ARELVCAIS+. Karolus monogram. Denarius.
Prou 876; *BMS* 259.
Paris: 1.48 gr. (PLATE XLV); BM: (57-9-1-31-IGP) 1.63 gr.; Copenhagen: (K. P. p. 130) 1.50 gr.
Find: Avignon.
1507. *Obv.*: +EARLV SINREV. Cross.
Rev.: +ARELACIVIS+. Karolus monogram. Denarius.
Prou 877.
Paris: 1.59 gr. (PLATE XLV).
Find: Avignon.
1508. *Obv.*: +CARLVSNPEART. Cross.
Rev.: +ARELACIVIS+. Karolus monogram. Denarius.
Prou 878; *BMS* 260.
Paris: 1.55 gr.; BM: (57-9-1-30-IGP) 1.59 gr.; Copenhagen: (T. 1260) 1.60 gr. (var.).
Find: Avignon.
1509. *Obv.*: +CARLVSNREART. Cross.
Rev.: +ARELACIVIS+. Karolus monogram. Denarius.
Prou 879.
Paris: 1.48 gr.; Brussels: 1.47 gr.; Grierson: 1.42 gr., 1.52 gr.
Find: Avignon.
1510. *Obv.*: +CARLVSNPERA. Cross.
Rev.: +CARLEACIVIS+. Karolus monogram. Obolus.
Find: Avignon.
1511. *Obv.*: +CARLVSNPEAT. Cross.
Rev.: +XARELACIVIS. Karolus monogram. Obolus.
Find: Avignon.
1512. *Obv.*: +CARLVSIIRERAT. Cross.
Rev.: +ARELACIVIS+. Karolus monogram. Obolus.
Find: Avignon.
1513. *Obv.*: +...VSIMPET. Cross.
Rev.: +ARELACIVIS. Karolus monogram. Obolus.
Find: Avignon.
1514. *Obv.*: +CARLVSNPEART. Cross.
Rev.: +ARELACIVIS+. Karolus monogram. Denarius.
Prou 880.
Paris: 1.61 gr.

1515. *Obv.*: +CARLVSIIEAT. Cross.
Rev.: +ARELVCIAIS+. Karolus monogram. Denarius.
 Prou 881.
 Paris: 1.52 gr.
1516. *Obv.*: +...ARLVS...PERA... Cross.
Rev.: +ARELVCITAIS. Karolus monogram. Denarius.
 Vienna: 1.55 gr.
1517. *Obv.*: +CARLVSIMPERAT. Cross.
Rev.: +ARVLACIVIS. Karolus monogram. Denarius.
 Vienna: 1.30 gr.

Italy

PAVIA

1518. *Obv.*: +KARLWSIMPĀTOR. Cross.
Rev.: PAPIA, in one line. Denarius.
 Gariel XLI, 22 (Combrouse, pl. XLIX, 18).

Indeterminate Mints

1519. *Obv.*: +IMPERATORI. Karolus monogram.
Rev.: +CASVSELTLOI. Cross. Denarius.
 Meyer Coll., 224.
 Paris: (979b) 1.55 gr.
Find: Bourgneuf.
1520. *Obv.*: +KARL...TA+. Cross with one dot in each corner.
Rev.: +TERTIVSIMP. Cross with one dot in each corner. Denarius.
 Berlin: 1.82 gr.
1521. *Obv.*: +CAR...V... Karolus monogram.
Rev.: +TERTIVSIMP (retrograde). Cross. Denarius.
 Berlin: 1.85 gr.
1522. *Obv.*: +CARLVSIIPERA. Cross.
Rev.: +VCECIVSCIVIS. Karolus monogram. Denarius.
 Gariel XLI, 25 (Musée d'Avignon).
Find: Avignon.
1523. *Obv.*: +CARLVSINPERA. Cross.
Rev.: +XPISTIANAREIICO. Karolus monogram. Denarius.
 Gariel XLII, 41 (Musée d'Avignon).
Find: Avignon.

1524. *Obv.*: +CARLVSIMREA. Cross.
Rev.: +XPISTIANAREIICO. Karolus monogram. Denarius.
 Gariel XLV, 67 (*RN* 1837, p. 342).
1525. *Obv.*: +HCAROLVSIMPER. Cross with one dot in each corner.
Rev.: +RISTIANAREIICIO. Temple. Denarius.
CNI V, p. 22, 3, 5 (var.); Helbing Oct. 1933, 1308; Hirsch Nov. 1958, 739.
ANS: 1.72 gr.; The Hague: (Inv. 1937:192) 1.30 gr.; Papadopoli: (177) 1.23 gr., (176) 1.75 gr.
1526. *Obv.*: +HCAROLVSIMPERA. Cross with one dot in each corner.
Rev.: +PISTIANARELICIO. Temple. Broad-flan denarius.
BMS 261.
CNI V, p. 22, 1, 2 (var.); p. 25, 5.
 Berlin: 1.40 gr., 1.52 gr., 1.74 gr., 1.81 gr., 1.83 gr.; *ANS*: 1.75 gr.;
 BM: (57-9-1-42-IGP) 1.77 gr.; Frisian Museum: 1.19 gr., (var.); The
 Hague: (Inv. 1937:191) 1.70 gr.; Papadopoli: (174) 1.62 gr., (175)
 1.88 gr.
Find: Marsum; Chalon-sur-Saône (1956); Odoorn.
1527. *Obv.*: +HCARIOLAIPE+. Cross with one dot in each corner.
Rev.: +PISTIANR...O. Temple. Broad-flan denarius.
 Frisian Museum: 1.53 gr.
Find: Marsum.
1528. *Obv.*: +HCAROLVSIMPIRA. Cross with one dot in each corner.
Rev.: XPIITIANARELICIO. Temple. Broad-flan denarius.
CNI V, p. 22, 7.
 Papadopoli: (179) 1.58 gr., (178) 1.75 gr.
1529. *Obv.*: +HCAROLVIMP. Cross with one dot in each corner.
Rev.: +PISIIANARILIGIO. Temple. Broad-flan denarius.
 Copenhagen: (T. 1267) 1.83 gr.; Papadopoli: (188) 0.92 gr. (var.).
1530. *Obv.*: +CAROLVSIMP. Cross with one dot in each corner.
Rev.: +XPISTIANAREIICIO. Temple. Broad-flan denarius.
BMS 262.
 BM: (1906-11-3-5596) 1.82 gr.
1531. *Obv.*: +KAROLVSIMP. Cross with one dot in each corner.
Rev.: +PISTIANARELICIO. Temple. Broad-flan denarius.
CNI V, p. 25, 6, 7 (var.), 8 (var.).
 Berlin: 1.52 gr., 1.69 gr., 1.75 gr., 1.77 gr.; *ANS*: 1.54 gr.; The Hague:
 (Inv. 1936:879) 0.95 gr. (fragment); Papadopoli: (187) 1.45 gr., (185)
 1.64 gr., (186) 1.72 gr.; Vienna: 1.27 gr.
Find: Odoorn, 1.60 gr., 1.80 gr.; Assen.

ARNULF (887-899)

East Francia

MAINZ

1532. *Obv.*: +ARNOLDVORE. Cross with one dot in each corner.
Rev.: MOCONCIVECIVIT. Temple. Denarius.
 Prou 36; *BMS* 263.
 Cahn Dec. 1922, 525; Cahn Oct. 1924, 18; Cahn March 1926, 45; Helbing Oct. 1927, 2375; Riechman Dec. 1934, 327.
 Paris: 1.70 gr.; ANS: 1.70 gr.; BM: (57-9-1-46-IGP) 1.65 gr.; Frankfurt a.M.: 1.94 gr.
1533. *Obv.*: +ARNOLDVORE. Cross with one dot in each corner.
Rev.: MOCONCIAECIVIT. Temple. Denarius.
 Prou 37; cf. Gariel LXII, 1 (Gariel Coll.).
 Cahn Oct. 1926, 99; Cahn 1929, 46.
 Paris: 1.39 gr.; Berlin: 1.54 gr., 1.67 gr.; ANS: 1.75 gr.; Copenhagen: (T. 1274) 1.71 gr., (T. 1272) 1.72 gr., (T. 1273) 1.74 gr. (PLATE XLVI); Grierson: 1.40 gr.; Hannover: (Inv. 1961...) 1.81 gr.; Munich: 1.43 gr., 1.45 gr., 1.47 gr., 1.50 gr., 1.55 gr., 1.58 gr., 1.60 gr., 1.61 gr., 1.70 gr., 1.74 gr., 1.74 gr., 1.77 gr., 1.85 gr., 1.87 gr., 1.94 gr.; Stuttgart: (Inv/1951/255) 1.52 gr.; Vienna: 1.60 gr., 1.71 gr., 1.72 gr., 1.78 gr., 1.78 gr.

REGENSBURG

1534. *Obv.*: +ARNVLVVSREX. Cross with one dot in each corner.
Rev.: +REGINACIVITAS. Temple. Denarius.
 Berlin: 1.43 gr. (PLATE XLVI).

Lorraine

TOUL

1535. *Obv.*: +ARNVLVVSREX. Cross.
Rev.: +TVLLOCIVITAS. Cross with one dot in each corner.
 Denarius.
 Prou 136.
 Münz. u. Med. June 1951, 374; Cahn March 1913, 25. The Cahn specimen is a forgery. Cf. Grierson, *ANSCent. Publ.*, p. 314, 10.
 Paris: 1.17 gr.; Berlin: 1.28 gr. (PLATE XLVI).

Italy

MILAN

1536. *Obv.*: +ARNVLFV2PIV2REX. Cross.
Rev.: MEDIOLANVMCIVIS. Temple. Denarius.
CNI V, p. 33, 1; Gneccchi, pl. II, 1; Hamburger May 1901, 2535. Forgeries of this coin exist, cf. P. Grierson, *ANSCent. Publ.*, p. 314, 11. Berlin (PLATE XLVI); Munich: (lost, represented by plaster cast. No weight recorded).
1537. *Obv.*: +ARNVLFVSPIVSREX. Cross with one dot in each corner.
Rev.: BERENCARIVSRIX. Temple, with MEDI in place of columns.
 Denarius.
CNI V, p. 458, 1a; Gneccchi, pl. II, 2; Hamburger May 1901, 2536. Forgeries exist, cf. P. Grierson, *ANSCent. Publ.*, p. 315, 12.

PAVIA

1538. *Obv.*: +ARNVLFVSPIVSRE. Cross with one dot in each corner.
Rev.: INPAPIACIVITAS. Temple. Broad-flan denarius.
CNI IV, p. 473, 1 (Arnulf alone).
1539. *Obv.*: +ARNVLFVSPIVSRE. Cross with one dot in each corner.
Rev.: +BERERGARIVSRE. Temple, with PAPI in place of columns.
 Broad-flan denarius.
CNI IV, p. 473, 1 (Arnulf with Berengar).

Indeterminate Mints

1540. *Obv.*: +ARNVLFVSPIVSRE. Cross with one dot in each corner.
Rev.: XPITIANARELICIO. Temple. Denarius.
 Gariel LXII, 1 (Gariel Coll.).
 Gariel Coll., 1358.
Find.: Oberbillig; Regensburg.
1541. Same as foregoing. Broad-flan denarius.
 Gariel LXII, 2 (Gariel Coll.).
 Gariel Coll., 1359.
1542. *Obv.*: +HARVNLFVSREX. Cross with one dot in each corner.
Rev.: XPISTIANARIIIGIO. Temple. Denarius.
CNI V, p. 458, 2a.
1543. *Obv.*: +HAPNoLFVSIMP. Cross with one dot in each corner.
Rev.: Traces of the inscription XPISTIANARELICIO. Temple.
 Denarius.
 Vienna: 1.00 (damaged).

ZWENTIBOLD (895–900)

Lorraine

CAMBRAI

1544. *Obv.*: +SVINDEBĀD'RE'X. Cross with one dot in each corner.
Rev.: +CĀMĀRĀCVSCIVIS. Cross. Denarius.
 Gariel LXIII, 1 (Combrouse, pl. XLIV, 7).

TRIER

1545. *Obv.*: TZVENTIBOECRE. Cross with one dot in each corner.
Rev.: TREVERISCIVITAS. Vacant field. Denarius.
 Gariel LXIII, 2 (*RN* 1866, p. 165).

LOUIS THE CHILD (899–911)

East Francia

MAINZ

1546. *Obv.*: +HLVDOVVICVSEX. Cross with one dot in each corner.
Rev.: MOGONTIACIVT. Temple. Denarius.
 Gariel LXIV, 3; *BMS* 264, 265.
 Berlin: 1.36 gr. (rev. of 1548, PLATE XLVI); BM: (38–7–10–1213–Cuerdale) 1.74 gr., (38–7–10–1224–Cuerdale) 1.75 gr.; Frankfurt a.M.: 1.26 gr., 1.74 gr. (var.).
Find: Cuerdale; Neumünster-Grotenkamp.
1547. Same as foregoing. Obolus.
 Gariel LXIV, 2 (Gariel Coll.).
 Gariel Coll., 1377.
 Berlin: 0.87 gr.
1548. *Obv.*: +MVDOVVICVSREX. Cross with one dot in each corner.
Rev.: MOCONCIAECIVIT. Temple. Denarius.
 Gariel LXIV, 6 (Gariel Coll.), 5 (var.), cf. Prou 38, 39.
 Hess 1905, 54; Cahn 1906, 7; Cahn Dec. 1924, 20; Helbing Oct. 1932, 271, 272; Lockett Coll., 362.
 Paris: 1.64 gr., 1.74 gr.; Berlin: 1.34 gr., 1.42 gr., 1.43 gr., 1.46 gr., 1.47 gr., 1.48 gr., 1.61 gr., 1.77 gr., 1.78 gr.; Brussels: 1.26 gr., 1.46 gr., 1.73 gr.; Copenhagen: (K. P. 1253) 1.40 gr.; Grierson: 1.58 gr.; Munich: 1.32 gr., 1.48 gr., 1.59 gr., 1.69 gr.; Vienna: 1.43 gr., 1.50 gr.

WÜRZBURG

1549. *Obv.*: +HLVDOVVICVSRE. Cross with one dot in each corner.
Rev.: +WIRZIBVRCCIVIT. Temple. Denarius.
 Gariel LXIV, 17 (Cuerdale find); *BMS* 266.
 BM: (38-7-10-1212-Cuerdale) 1.65 gr.
Find: Cuerdale; Schowen.

Alsace

STRASSBURG

1550. *Obv.*: +IILVDOVVICVSPIVS. Cross.
Rev.: ARCENTI/•/IIACVNAS. Denarius.
 Prou 48; *BMS* 267-270.
 Gariel Coll., 1337-1340; Hamburger Nov. 1912, 118, 119; Hamburger Sept. 1917, 578; Schneider Coll., 578; Cahn Oct. 1924, 22; Hamburger Sept. 1926, 13; Cahn May 1927, 1533, 1534; Cahn Oct. 1929, 909; Münz. u. Med. Dec. 1957, 687, 1.76 gr.; Kress Oct. 1960, 1507.
 Paris: 1.33 gr.; Berlin: (PLATE XLVI); BM: (38-7-10-1226-Cuerdale) 1.78 gr., (38-7-10-1227-Cuerdale) 1.44 gr., (57-9-1-22-IGP) 0.72 gr., (1920-1-12-147) 1.71 gr.; Brussels: 1.08 gr., 1.10 gr., 1.11 gr., 1.21 gr., 1.26 gr., 1.28 gr.; Copenhagen: (Terslev find 1233-31) 0.81 gr. (fragment), (Jynevad find 247bis) 1.09 gr. (fragment), (Jynevad find 247) 1.34 gr., (T. 1229), 1.44 gr., (T. 1230) 1.54 gr.; Garrett: (6155) 1.01 gr. (damaged); Grierson: 1.34 gr.; Hermitage: 1.58 gr.; Nelson: (53.114.1854); Oslo: 1.69 gr.; Vienna: 1.34 gr.
Find: Ter Apel; Pingjum; Cuerdale; Dalen; Stolpe; Neuhaus; Jynevad; Terslev; Hollingstadt; Urach.
1551. *Obv.*: +NLVDOVVICVSPIVS. Cross.
Rev.: ARCENTI/•/IIACVII (retrograde). Denarius.
 Prou 50.
 Paris: 1.35 gr.; Munich: 1.00 gr.
1552. *Obv.*: +HLVDOVVICVSPVS. Cross.
Rev.: ARCENTI/•/NACVNAS. Denarius.
 Prou 51; Gariel LXI, 6 (Gariel Coll.), 7 (var. +HLVDOVVICVSPIVS, Cuerdale find), 8 (Gariel Coll.).
 Kricheldorf July 1964, 419 (Prou 51/48).
 Paris: 1.69 gr.; Berlin: 1.15 gr., 1.40 gr., 1.47 gr. (PLATE XLVI); Grierson: 1.33 gr.; The Hague: (Inv. 17496) 1.10 gr., (Inv. 17493) 1.20 gr., (Inv. 17494) 1.40 gr., (Inv. 17495) 1.70 gr.; Munich: 1.30 gr.
Find: Cuerdale; Midlum, 1.17 gr., 1.20 gr., 1.39 gr., 1.44 gr.
1553. *Obv.*: +HLVDOVVICVSPIVS. Cross.
Rev.: ARGENTI/NACVITAS. Obolus.
 Gariel LXI, 2.
Find: Assen.

1554. *Obv.*: +IILVDOVVICVSPIVS. Cross.
Rev.: ARCENTI/•/NACVNAS. Obolus.
 Prou 49.
 Paris: 0.80 gr.
1555. *Obv.*: +IIVDOVVICVSPIVSI. Cross.
Rev.: IICIITI/•/ACITAS (the second line retrograde). Denarius.
 Prou 52, 53 (var., +IIVDOVVICVSPIVS).
 Paris: 1.69 gr., 1.77 gr.; Berlin: 1.15 gr., 1.16 gr., 1.19 gr., 1.23 (fragment) (PLATE XLVI); ANS: 1.76 gr.; Copenhagen: (Devegge no. 13) 1.61 gr.; The Hague: (Inv. 17500) 1.15 gr., (Inv. 17501) 1.20 gr., (Inv. 17497) 1.20 gr., (Inv. 17499) 1.25 gr., (Inv. 17498) 1.25 gr., (Inv. 17503) 1.29 gr., (Inv. 17502) 1.30 gr., (Inv. 17504) 1.69 gr., (625), (626), (627).
Find: Jynevad.
1556. *Obv.*: +HVDOVIIIDVSPIVS. Cross.
Rev.: SITA/•/I L IDII. Denarius.
 Gariel LXI, 9.
 Berlin: 1.45 gr., 1.67 gr., 1.71 gr.
Find: Assen; Dransau; Oranienburg; Mgowo.

Lorraine

COLOGNE

1557. *Obv.*: +LVDOVCVSDEX. Cross with one dot in each corner.
Rev.: S/COLOINA/A. Denarius.
 Gariel LXIV, 18 (Voillemier Coll.).
 Hävernicks, 20; Münzhandl. Basel Dec. 1935, 26.
 Berlin: 1.58 gr., 1.75 gr., 1.82 gr.; ANS: 1.70 gr. (LVDOLVSDEX);
 Frankfurt a.M.: 1.59 gr., 1.80 gr., 1.84 gr.
1558. *Obv.*: +LVDOIVIS...OC. Cross with one dot in each corner.
Rev.: S/COLOINA/A. Obolus.
 Hävernicks, 21.
Find: Dalen; Emden.
1559. *Obv.*: +LVDOVVICVSRSEX. Cross with one dot in each corner.
Rev.: S/COLOINA/A. Denarius.
 Prou 80; Gariel LXIV, 19, 20 (Gariel Coll.).
 Cahn Oct. 1924, 19; Riechman Nov. 1924, 34; Cahn April 1929, 48;
 Cahn Oct. 1929, 908; Kricheldorf May 1956, 368; Kress Oct. 1960, 1506; Gariel Coll., 1375, 1376; Bordeaux Coll., 393.
 Paris: 1.84 gr.; Berlin: 1.49 gr., 1.54 gr., 1.76 gr. (PLATE XLVI);
 Brussels: 1.76 gr., 1.77 gr.; Copenhagen: (Terslev find 1233.30) 1.02 gr. (fragment); Grierson: 1.84 gr.; Hermitage: 1.29 gr.
Find: Terslev; Dransau; Dalen; Neuhaus; Münster; Schwenningen.

1560. *Obv.*: +LVDOVVICVSREX. Cross with one dot in each corner.
Rev.: S/COLONII/A. Denarius.
 Prou 81; *BMS* 271, 272.
 Helbing Dec. 1931, 216.
 Paris: 1.47 gr.; BM: (57-9-1-52-IGP) 1.43 gr., (1935-4-1-15475, *rev.*: OLONIA) 1.83 gr.; Brussels: 1.36 gr., 1.72 gr.; Munich: 1.71 gr.; Stuttgart: (7742) 1.72 gr.
Find: Rome "after 1920;" Bonn.
1561. *Obv.*: +LVDOVVICVSREX. Cross with one dot in each corner.
Rev.: COLONIA, in one line. Denarius.
 Hävernicks, 18.
Find: Rudkjöbing.

NAMUR

1562. *Obv.*: +HLVIDOVVICVSO. Cross, with letters RE attached, and X, V, and one dot, each in one corner.
Rev.: +IIIVICONAMVCO. Cross with one dot in each of two diagonal corners. Denarius.
 Prou 102; Gariel LXIV, 10.
 Kricheldorf June 1961, 331.
 Paris: 1.58 gr.; ANS: 1.53 gr. (Kricheldorf specimen).
Find: Troyes (1910) (?), 1.59 gr.
1563. *Obv.*: +HLVDVVVICSIEX. Cross.
Rev.: +NVICONAMVCO. Cross with one dot in each corner.
 Denarius.
 Gariel LXIV, 11 (Cuerdale find); *BMS* 273.
 BM: (38-7-10-1208-Cuerdale) 1.18 gr. See also no. 1236.
Find: Cuerdale.

TRIER

1564. *Obv.*: +HLVDVVICVSREX. Cross with one ball in each corner.
Rev.: TREV/ERIS. Denarius.
 Berlin: 1.23 gr., 1.37 gr., 1.53 gr.
1565. *Obv.*: +LVDOVVICVSIIX. Cross with one ball in each corner.
Rev.: TREV/•/ERIS. Obolus.
 Berlin: 0.61 gr.
1566. *Obv.*: +HLVDVVICVSREX. Cross.
Rev.: TR/EV/ER/IS symmetrically arranged at the sides of a degenerate temple. Denarius.

Prou 128; Gariel LXIV, 1 (RN 1866, p. 166).
 Meyer Coll., 475; Bordeaux Coll., 391.
 Paris: 1.59 gr.; Copenhagen: (Valby find XXXVII, 418) 1.34 gr.
 (PLATE XLVI).
Find: Valby.

TOUL

1567. *Obv.*: ∴ LVD◊VVICVSPX. Cross with one dot in each corner.
Rev.: TVLLO, in one line. Denarius.
 Prou 137; Gariel LVI, 33 (Gariel Coll.).
 Bordeaux Coll., 396; Cahn Dec. 1932, 1352; Münzhandl. Basel Oct. 1936, 325; Cahn 1934, 2243.
 Paris: 1.41 gr.; Berlin: 1.50 gr. (PLATE XLVI); ANS: 1.10 gr.; Munich: 0.76 gr. (var., fragment).
Find: Zabern.
1568. Same as foregoing. Obolus.
 Prou 138 = Gariel LVI, 34.
 Paris: 0.61 gr. (PLATE XLVI).
1569. *Obv.*: ∴ LVbOVVICVSIX. Cross with one dot in each corner.
Rev.: TVLLO, in one line. Denarius.
 Gariel LVI, 35 (Robert, pl. XVI, 11).
 Rosenberg Nov. 1904, 42; Rosenberg 1906, 11; Hamburger Nov. 1912, 114; Frankfurter Münzhandl. Sept. 1961, 38; Schlessinger March 1930, 1522.

Indeterminate Mints

1570. *Obv.*: +VVDVCVICVSRE (retrograde). Cross with one dot in each corner.
Rev.: XPI2TIAHARELIO (retrograde). Temple. Denarius.
 Prou 1055; BMS 274-275.
 Paris: 1.01 gr.; Brussels: 1.21 gr. (var., inscriptions not retrograde and *obv.* reads +HLVDOVVICVSRE); BM: (38-7-10-1211-Cuerdale) 1.72 gr., (55-6-12-496-IGP) 1.72 gr., var. with +HLVDOVVICVSRE, and XPIITIANARELIO.
Find: Cuerdale; Zelzate; Harkirke.
1571. *Obv.*: +IIVDOVVICV2IV2. Cross.
Rev.: 2ALO/MON. Denarius.
 Prou 975; Gariel LXI, 1.
 Rousseau Coll., 499bis.; Gariel Coll., 1336; Bordeaux Coll., 395; Hess Oct. 1904, 14; Helbing May 1907, 199; Hamburger Nov. 1912, 122; Cahn April 1929, 49.
 Paris (PLATE XLVI); Frankfurt a.M.: 1.33 gr.; Munich: 1.89 gr.; Stuttgart: (2v5579) 1.25 gr.

LOUIS THE BLIND (901-905)

Provence

VIENNE

1572. *Obv.*: +LVDVVICVSIMPR. Indecipherable monogram.
Rev.: +VIENNACIAIS. Cross. Denarius.
Prou 847.
Rousseau Coll., 455; Riechman April 1928, 637.
1573. *Obv.*: +LVDVVICVSMR. Indecipherable monogram.
Rev.: +VIENNACIVIS. Cross. Denarius.
Prou 848; Gariel LXIII, 2 (Gariel Coll.).
Bordeaux Coll., 413; Schulman May 1929, 360; Schulman 1931, 175.
Paris: 1.40 gr.; Berlin: 1.27 gr., 1.41 gr. (PLATE XLVII); Blunt: 1.41 gr.
1574. *Obv.*: +LVDVVICVS. Cross.
Rev.: VENIOCI... Ludovicus monogram. Denarius.
Gariel LXIII, 1 (Gariel Coll.).
Hess 1905, 52; Ratto Dec. 1930, 2607.
Berlin: 1.28 gr.
1575. *Obv.*: +LVDVVICVS. Cross.
Rev.: VI, in field. Denarius.
Prou 849, 850 (var., +IVDOVVICVS).
Rousseau Coll., 527; Münz. u. Med. Nov. 1964, 22.
Paris: 1.32 gr., 1.34 gr.; ANS: 1.29 gr., 1.35 gr. (PLATE XLVII);
Hermitage: 1.37 gr.; Oslo: 1.32 gr., 1.33 gr., 1.36 gr.
1576. *Obv.*: +LVDVVICVS. Cross.
Rev.: SVI, in field. Denarius.
Gariel LXIII, 3 (Gariel Coll.).
Bordeaux Coll., 414; Hirsch Nov. 1958, 746.
Oslo: 1.28 gr.
- 1576a. *Obv.*: +HLVDVVICVSIMP. Cross with one dot in each corner.
Rev.: XPISTIAIIADEICIO. Temple. Broad-flan denarius.
BMS 276-281.
CNI V, p. 16, 1, 4, 6, 8, 9.
ANS: 1.65 gr.; BM: (38-7-10-1209-Cuerdale) 1.81 gr., (38-7-10-1210-Cuerdale) 1.78 gr., (47-11-8-686-Kolb) 1.11 gr., (57-9-1-27-IGP) 1.83 gr., (61-12-2-1-De Salis) 1.71 gr., (1913-12-4-145 Lady Ramsey Bequest) 1.75 gr.

RAOUL (923-936)

Francia

BEAUVAIS

1577. *Obv.*: +CRATIAD-IREX. Rodulfus (?) monogram.
Rev.: +BELGEVACVSCV. Cross with a crescent in one corner.
 Denarius.
 Prou 261 = Gariel XLIX, 8.
 Paris: 1.55 gr.; Berlin: 1.59 gr., 1.60 gr. (PLATE XLVII); Grierson:
 1.81 gr. (var.).
1578. *Obv.*: +CRATIAD-IREX. Rodulfus monogram.
Rev.: +BELVACVSCIVI. Cross with one S in each of two diagonal corners and a triangle in a third. Denarius.
 Prou 260 = Gariel LIII, 3.
 Paris: 1.12 gr. (PLATE XLVII).
1579. *Obv.*: +CRATIADIREX. Rodulfus monogram.
Rev.: +BELVACVS*. Cross with one dot in each of two diagonal corners. Denarius.
 Prou 259 = Gariel LIII, 4 (Voillemier Coll.).
 Paris: 1.14 gr.; Berlin: 1.07 gr.

SOISSONS

1580. *Obv.*: +RÖDVLFVS. REX, in field.
Rev.: +SVESSIIÖ. Rodulfus monogram. Denarius.
 Gariel LIV, 45.
 Gariel Coll., 1261; Meyer Coll., 436.
 Berlin: 1.52 gr.; Copenhagen: (T. 1285) 1.34 gr.
1581. Same as foregoing. Obolus.
 Gariel LIV, 46.
 Berlin: 0.60 gr.

PARIS

1582. *Obv.*: +CRATIDIREX. Rodulfus monogram.
Rev.: +/PARISI/CIVITA/+, with a line of dots between the lines of the inscription. Denarius.
 Prou 337; Gariel LIV, 37 (Gariel Coll.).
 Rousseau Coll., 525; Meyer Coll., 432; Bordeaux Coll., 359; Schulman
 Pricelist 1931, 165; Cahn Dec. 1932, 1332; Théry Coll., 542.
 Paris: 1.30 gr.; ANS: 1.30 gr. (PLATE XLVII).
1583. Same as foregoing. Obolus.
 Prou 338; Gariel LIV, 38 (Poey d'Avant, no. 2).
 Paris: 0.49 gr.

1584. *Obv.*: +CRATAIPEX. Rodulfus monogram.
Rev.: +/PARISI/CIVITA/+. Obolus.
 Prou 339.
 Paris: 0.66 gr. (PLATE XLVII).
1585. *Obv.*: +CRATIADIREX. Rodulfus monogram.
Rev.: +/PARISI/CIVITA/+. Obolus.
 Prou 340; Gariel LIV, 40 (Combrouse, pl. XXXIV, 5).
 Cahn Dec. 1932, 1333; Cahn 1934, 2260.
 Paris: 0.43 gr.

ST-DENIS

1586. *Obv.*: +GRATIADIREX. Rodulfus monogram.
Rev.: +SCIDIO/IV2II/+, with a line of dots between the lines
 of the inscription. Denarius.
 Prou 355; Gariel LIV, 42 (Gariel Coll.), 43 (Voillemier Coll., var.).
 Gariel Coll., 1260; Hess Oct. 1903, 1344; Hess 1905, 57.
 Paris: 0.99 gr.; Berlin: 0.63 gr., 1.05 gr.; The Hague: (Inv. 17574) 1.00
 gr.
Find.: Evreux.
1587. *Obv.*: +CRATIADIREX. Rodulfus monogram.
Rev.: + SCIDIO/ NISII/+. Denarius.
 Prou 356,
 Paris: 0.98 gr. (PLATE XLVII).
Find.: Evreux.
1588. Same as foregoing. Obolus.
 Prou 357.
 Paris: 0.58 gr. (PLATE XLVII).

MEAUX

1589. *Obv.*: +CRATIADIEX. Rodulfus monogram.
Rev.: +/MAIDI/CIVITA/+. Denarius.
 Gariel LIV, 28 (stock of Hoffmann).
 Hess Oct. 1903, 1343; Hess 1905, 59.

Neustria

"CURTISSASONIEN"

1590. *Obv.*: +CRATIAID-IREX. Rodulfus monogram.
Rev.: +CVRTISASONIEN. Cross. Denarius.
 Prou 418.
 Motte Coll., 141.
 Paris: 1.71 gr.; ANS: 1.59 gr. (PLATE XLVII); Brussels: 1.51 gr.

21*

CHARTRES

1591. *Obv.*: +GRATIADI IREX. +, ♦, F, S, in field as monogram.
Rev.: +CARNOTISCIVITAI. Cross. Denarius.
 Rousseau, 524.
1592. *Obv.*: +CRATIAD-IREX. +, ♦, F, S, in field as monogram.
Rev.: +CARTISCIVITAS... Cross. Denarius.
 Prou 500 = Gariel LIII, 10, 12 (single find [?] at Chartres).
 Meyer Coll., 425; Bordeaux Coll., 356; Hirsch Nov. 1958, 750.
 Paris: 1.18 gr.; ANS: 1.28 gr. (PLATE XLVII).
1593. Same as foregoing. Obolus.
 Gariel LIII, 11 (single find [?] at Chartres).

CHATEAUDUN

1594. *Obv.*: +CRATIAD-IREX. Rodulfus monogram.
Rev.: +DVNISCATLLI. Cross. Denarius.
 Prou 506 = Gariel LIII, 14, 15 (var., Poey d'Avant, 1823).
 Meyer Coll., 426.
 Paris: 1.33 gr.; ANS: 1.23 gr. (PLATE XLVII).
Find: Chartres.
- 1594a. *Obv.*: GRATIAD-IRX. Rodulfus monogram.
Rev.: DVHISCATLLI, Cross with dot in lower right corner.
 Obolus.
 ANS: 0.58 gr.

ORLÉANS

1595. *Obv.*: +GRATIAD-IREX. Rodulfus monogram.
Rev.: +AVEFIATNISCIVTI. Cross. Denarius.
 Prou 529 = Gariel LIII, 2.
 Paris: 1.22 gr. (PLATE XLVII).
Find: Chartres.
1596. *Obv.*: +CRATIAD-IREX. Rodulfus monogram.
Rev.: +AVRELIAIIISCIVT. Cross. Obolus.
 Prou 530.
 Cahn Dec. 1932, 1331.
 Paris: 0.60 gr.
1597. *Obv.*: +CRATIAD-IREX. Rodulfus monogram.
Rev.: AVRELIAN...CI. Cross. Denarius.
 Gariel XLVIII, 2 (Combrouse, pl. XXXIX, 6).

1598. *Obv.*: +CRATIAD-IREX. Rodulfus monogram.
Rev.: +AVREL'ANISCIVITA. Cross. Denarius.
 Prou 525-527; Gariel LIV, 31, 32, 33.
 Rousseau Coll., 523; Münz. u. Med. Dec. 1957, 696, 1.73 gr.
 Paris: 1.14 gr., 1.07 gr., 1.17 gr.; Berlin: 1.09 gr., 1.26 gr.; ANS: 1.09 gr.; Brussels: 1.72 gr., (var.); Holmes: 1.65 gr. (GRATIAD-I, CIVITAS).
1599. *Obv.*: +CRATIAD-IREX. Rodulfus monogram.
Rev.: AVREL'ANISCIVITA. Cross. Denarius.
 Gariel LIV, 36 (Gariel Coll.).
 Théry Coll., 541.
 Berlin: 1.14 gr.
1600. *Obv.*: +CRATIAID-IREX. Rodulfus monogram.
Rev.: AVREL'ANISCIVIT. Cross. Obolus.
 Prou 528; Gariel LIV, 35.
 Meyer Coll., 431; Bordeaux Coll., 358.
 Paris: 0.64 gr.; Berlin: 0.56 gr.

CHATEAU — LONDON

1601. *Obv.*: +CRATIAD-IREX. Rodulfus monogram.
Rev.: +NANOONI2CASTRVI. Cross. Denarius.
 Prou 537.
 Münz. u. Med. Nov. 1964, 27 (Prou 537/538 var.)
 Paris: 1.26 gr.
1602. *Obv.*: +GRATIAD-IREX. Rodulfus monogram.
Rev.: +AVIVIISCASSTRVI. Cross. Denarius.
 Prou 538 = Gariel XXVIII, 78; Gariel LIII, 9 (Poey d'Avant, no. 60).
 Bordeaux Coll., 357.
 Paris: 0.97 gr.
1603. *Obv.*: +GRATIAD-IREX. Rodulfus monogram.
Rev.: +NANDONISCASTRM. Cross. Denarius.
 RN 1853, p. 419.
 RN: 1.20 gr.
1604. *Obv.*: +GRATIAD-IREX. Rodulfus monogram.
Rev.: +N...DONI2CASTLII. Cross. Denarius.
 Gariel LIII, 8 (Cabinet de France, but not in Prou).
 Bordeaux Coll., 357; Blaser-Frey June 1963, 33.
 ANS: 1.24 gr.

ETAMPES

1605. *Obv.*: +CRATIAD-IREX. Rodulfus monogram.
Rev.: +STAMPISCATELI. Cross. Denarius.
 Prou 539 = Gariel XLVIII, 1, LIII, 19 (Poey d'Avant, no. 38).
 Paris: 1.19 gr.

1606. *Obv.*: +GRATRAD-IREX. Rodulfus monogram.
Rev.: +STAPISCASTR. Cross. Denarius.
 Gariel LIII, 20 (Meyer Coll.).
 Meyer Coll., 429.

Burgundy

SENS

1607. *Obv.*: +RODVLFVSHCHT. REX, in field.
Rev.: +SENONISCIVITAS. Cross. Denarius.
 Gariel LIV, 44 (Combrouse, pl. XXXV, 9).

NEVERS

1608. *Obv.*: +RODVLFVS. REX, in field.
Rev.: +NEVERNISCIVIT. Cross. Denarius.
 Gariel LIV, 30 (Gariel Coll.).
 Gariel Coll., 1254.
 Berlin: 1.33 gr.

LANGRES

1609. *Obv.*: +RODESREX. R, in field.
Rev.: +LINCNCVTS. Cross. Denarius.
 Gariel LIII, 22 (Combrouse, pl. XXXV, 7).
 Paris: (611a) 1.40 gr.

Aquitaine

BOURGES

1610. *Obv.*: +RODVLFVSREX. Rodulfus monogram.
Rev.: +BITVRICESCIVIT. Cross. Denarius.
 Gariel LIII, 6 (Gariel Coll.).
 Gariel Coll., 1250.
 Berlin: 1.18 gr.

LE PUY

1611. *Obv.*: +RADVLDVSREX. Cross.
Rev.: +ANITOCIVIT. Karolus (?) monogram. Denarius.
 Prou 772; Gariel LIV, 26 (Gariel Coll.).
 Gariel Coll., 1259; Meyer Coll., 434.
 Paris: 1.20 gr.; Berlin: (PLATE XLVII); ANS: 1.22 gr.

ANGOULÊME

1612. *Obv.*: +RADVL+FVSREX. Cross.
Rev.: +EGOLI+SIME. Cross. Denarius.
 Prou 788 = Gariel LIII, 1.
 Paris: 1.55 gr.; Holmes: 1.05 gr. (fragment).

Indeterminate Mints

1613. *Obv.*: +CRATIAD-IREX. Rodulfus monogram.
Rev.: +NVIENTVSCASTR. Cross. Denarius.
 (Grunthal, p. 54, suggests an attribution to Nogent-sur-Seine).
 Gariel LIV, 29 (single find [?] at Chartres).
1614. *Obv.*: +RADHDLFO. Rodulfus monogram.
Rev.: +PINCIVS. Cross. Denarius.
 Gariel LIV, 41 (Combrouse, pl. XXXV, 8).
1615. *Obv.*: +CRATIAD-IREX. Rodulfus monogram.
Rev.: +RLAVVSCA2II. Cross. Denarius.
 Gariel LIII, 5 (*RN* 1874, p. 72).
 Paris: (979d) 1.15 gr.

LOUIS IV (936–954) or LOUIS V (986–987)

Lorraine

DINANT

1616. *Obv.*: +ILVDIVVICVS. Cross with one dot in each corner.
Rev.: +IVVICODIV. Cross with one dot in each corner. Denarius.
 Gariel LXIV, 16 (*RBN* 1851, pl. XIII, 3); Meert, *RBN* 1962, p. 169, 11; Cahn April 1899, 27.
 Brussels: 1.13 gr.

METZ

1617. *Obv.*: +LVDOVICVS. REX, in field.
Rev.: METTISCIVITAS. Karolus monogram. Denarius.
 Gariel LV, 17 (Robert, pl. XV, 7).
1618. *Obv.*: +LVDOVICVSRX. Cross with one dot in each corner.
Rev.: METTIS/CIYIS. Denarius.
 Gariel LV, 15.

1619. *Obv.*: ⋄·LVDOVICVSRX. Cross with one dot in each corner.
Rev.: METTIS/CIVIS. Denarius.
 Gariel LV, 15, var. (Robert, pl. XVI, 8).
1620. *Obv.*: +LVDOVICVS. REX, in field.
Rev.: METTIS, on one line. Denarius.
 Gariel LV, 16 (Robert, pl. XV, 8).

VERDUN

1621. *Obv.*: +LVDOVVICVS. REX, in field.
Rev.: +VIRDVNICIVITAS. Cross. Denarius.
 Gariel LVI, 36 (Gariel Coll.).
 Gariel Coll., 1281.
1622. *Obv.*: +LVDOVV...S. REX, in field.
Rev.: +VRDVNICIVITAS. Cross. Obolus.
 Gariel LVI, 39 (Combrouse, pl. XL, 4).
1623. *Obv.*: +LVDOVVICVS. REX, in field.
Rev.: +VIRDVNICIVITAS. Cross. Denarius.
 Gariel LVI, 37 (Robert, pl. XV, 10).
1624. *Obv.*: +LVDOVVICVS. REX, in field.
Rev.: +VIRDVNICIVITAS. Cross. Obolus.
 Gariel LVI, 38 (Gariel Coll.).
 Gariel Coll., 1282.
 Berlin: 0.67 gr.

Francia

ROUEN

1625. *Obv.*: +VLODVICIREX. Cross.
Rev.: +RODOMCIFIT -. In field, <Š. Denarius.
 Prou 390, 391.
 Théry Coll., 544.
 Paris: 1.45 gr., (PLATE XLVIII) 1.27 gr.; Garrett: (6163) 1.46 gr.;
 The Hague: (Inv. 17575) 1.50 gr.
Find: Evreux (St-Taurin).
1626. *Obv.*: +VLOTVICIREX. Cross.
Rev.: +ROTOMCIVITI. In field, <2. Denarius.
 Gariel LVI, 27 (Gariel Coll.).
 Meyer Coll., 443, 444.
 Berlin: 1.41 gr., 1.41 gr., 1.42 gr., 1.45 gr., 1.47 gr.
Find: Evreux (St-Taurin).

1627. *Obv.*: +VLOTVICIREX. Cross.
Rev.: +ROTOMCIVIT. In field, 'ΘSl. Denarius.
 Gariel LVI, 28 (Evreux find).
 Gariel Coll., 1273-1279 (ten varieties ex Evreux); Bordeaux Coll., 365;
 Hamburger Nov. 1912, 113.
 Berlin: 1.15 gr.
Find: Evreux (St-Taurin).
1628. *Obv.*: +VL◊TVICIRE. Cross.
Rev.: +R◊T◊MOIVIT. In field, <S. Denarius.
 Prou 392.
 Paris: 1.43 gr.
Find: Evreux (St-Taurin).
1629. *Obv.*: +VLOTVICIREX. Cross, with one crescent in one corner.
Rev.: +R◊T◊MCIVITA'. In field, ♀/ΛC. Denarius.
 Prou 393.
 Paris: 1.15 gr., (393a) 1.20 gr.; Blunt: 1.05 gr.
1630. *Obv.*: +VLODVICIRIX. Cross.
Rev.: +R◊D◊ MCICIT. In field, LSl. Denarius.
 Gariel LVI, 29 (Evreux find).
 Deglatigny Coll., 275.
 Berlin: 1.37 gr.; ANS: 1.38 gr.; Brussels: 1.50 gr.
Find: Evreux (St-Taurin).

Neustria

CHINON

1631. *Obv.*: LVDOVICVSREX. Bust, diademed, to right.
Rev.: +CAINONICASTRO. Cross. Denarius.
 Prou 470; Gariel LV, 6 (Poey d'Avant, no. 1672), 7 (var., Poey d'Avant, no. 1673).
 Gariel Coll., 1266; Meyer Coll., 437; Bordeaux Coll., 362; Norman Coll., 553; Hirsch Nov. 1958, 752; Blaser-Frey June 1963, 34; Münz. u. Med. Nov. 1964, 28; Bourgey, Dec. 1964, 41.
 Paris: 1.50 gr.; Berlin: 1.51 gr.; ANS: 1.23 gr.; Copenhagen: (Jynevad find 247) 1.53 gr. (PLATE XLVIII).
Find: Jynevad.
1632. *Obv.*: ...IOVCIIIIC+. Bust, diademed, to right.
Rev.: +CAIAOI...O. Cross. Obolus.
 Gariel LV, 8 (Gariel Coll.).
 Gariel Coll., 1267; Meyer Coll., 438.
 Berlin: 0.49 gr.

Burgundy

NEVERS

1633. *Obv.*: +LVDOVICVSRE. REX, in field.
Rev.: +NEVERNISCIVIT. Cross. Obolus.
 Gariel LV, 18 (Fillon, *Lettres à Dugast-Matifeux*, p. 162).
Find: Chateauneuf-sur-Cher (?).
1634. *Obv.*: +FObVICVSRE. REX, in field.
Rev.: +NEVERNISCVT. Cross. Denarius.
 Gariel LV, 19 (S. Paulo fuori le Mure find).
 Hess Oct. 1903, 1346; Schulman 1931, 166; Münz. u. Med. Nov. 1964, 29.
 ANS: 1.14 gr. (Münz. u. Med. 1964) with LVDOVICVS; NEVERAISC..
Find: Bruères, 1.29 gr.; S. Paoli fuori le Mure.
1635. *Obv.*: +LVDOVICVS. REX, in field.
Rev.: +NEVECNISCVC. Cross. Obolus.
 Gariel LV, 20 (S. Paulo fuori le Mure find).
 ANS: 0.48 gr.
Find: Chateauneuf-sur-Cher (?); Bruères, 1.15 gr.; S. Paulo fuori le Mure.

LANGRES

1636. *Obv.*: +HLVDOVVICVS. R., in field.
Rev.: +LINCONISCVTS. Cross. Denarius.
 Prou 611 = Gariel LV, 10; BMS 282.
 Meyer Coll., 457; Hamburger Nov. 1912, 111; Riechman Nov. 1912, 41; Hamburger Sept. 1926, 21; Cahn Dec. 1932, 1335, 1336; Münzhandl. Basel Oct. 1936, 321; Kricheldorf May 1956, 372.
 Paris: 1.37 gr.; Berlin: 1.15 gr.; ANS: 1.02 gr. (PLATE XLVIII);
 Blunt: 1.11 gr.; BM: (57-9-1-37-IGP) 1.35 gr.; Grierson: 1.14 gr.;
 Hermitage: 1.15 gr.; Holmes: 1.24 gr.; Van Rede: (Br271) 1.15 gr.;
 Vienna: 1.08 gr.
Find: Monostori Sziget; Kowal; Bierzglowo; Thurow.
1637. *Obv.*: +HLVDVVICVS. R., in field.
Rev.: +LINCONISCVTS. Cross. Obolus.
 Prou 612 = Gariel LV, 11; BMS 283.
 Cahn Dec. 1932, 1337; Cahn 1934, 2264; Münzhandl. Basel Oct. 1936, 322.
 Paris: 0.38 gr.; Berlin: 0.45 gr.; BM: (170-T-29) 1.23 gr.
1638. *Obv.*: +LO...VVICVSRIX. Cross.
Rev.: +LINCONISCIVI... Cross with one dot in one corner.
 Denarius.
 Gariel LV, 12 (Brussels).

CHALON-SUR-SAÔNE

1639. *Obv.*: +VDOVICVSII. Cross.
Rev.: +AVILOMIꝤCV. LVS, in field. Denarius.
Gariel LV, 3 (Gariel Coll.).
Berlin: 0.83 gr., 1.05 gr.
1640. *Obv.*: +...VDOVICVSII. Cross.
Rev.: +CAVILONIꝤCIV. LVS, in field. Obolus.
Gariel LV, 4 (RN 1838, p. 320).
1641. *Obv.*: +ꝤVDOVICVS. R, in field.
Rev.: +CAVIONIISCI. Cross. Denarius.
Gariel LV, 2 (Poey d'Avant, no. 5618).
Berlin: 1.10 gr., 1.34 gr.
1642. *Obv.*: +IꝤIVDOMICVꝤ. R, in field.
Rev.: +CAVIONISGI. Cross. Denarius.
Gariel LV, 5 (Gariel Coll.).
Berlin: 1.27 gr.

MACON

1643. *Obv.*: +LVDOVICVSII. Cross.
Rev.: +MATISCOCIVITAS. Ludovicus monogram. Obolus.
Gariel LV, 13 (Poey d'Avant, no. 5563), 14 (var., Poey d'Avant, no. 5564).

LYON

1644. *Obv.*: +LVDOVVICVS. REX, in field.
Rev.: +LVCDVNICIVIS. Cross. Denarius.
Find: Charabotte.

Aquitaine

BOURGES

1645. *Obv.*: +LVDDVOICV ...REX. Cross.
Rev.: +BITVRIC ...CIVIT. +/◊◊/+, in field. Denarius.
Gariel LV, 1; Prou 752.
Gariel Coll., 1263; Bordeaux Coll., 361.
Paris: 1.12 gr.; Berlin: 0.94 gr.

ANGOULÊME

1646. *Obv.*: +LODOICVS. Cross.
Rev.: +EGOLI22IME. Cross with two concentric circles around point of intersection. Denarius.
 Poey d'Avant, no. 2643.
 Poey: 1.68 gr.; Princeton (PLATE XLVIII).

Gascony

BORDEAUX

1647. *Obv.*: +LODOICV2. Cross.
Rev.: +BVRDEGALV. Three crosses in field. Denarius.
 Gariel LVIII, 1 (Gariel Coll.).
 Gariel Coll., 1308; Bordeaux Coll., 373.

SAINTES

1648. *Obv.*: +LODOICV2. Cross.
Rev.: +STC'MAS. Three crosses in field. Denarius.
 Gariel LVIII, 2 (Gariel Coll.).
 Gariel Coll., 1309; Bordeaux Coll., 376; Deglatigny Coll., 277; Hirsch Nov. 1958, 755.
 Berlin: 1.45 gr.; ANS: 1.21 gr. (var.) (Hirsch specimen).
1649. Same as foregoing. Obolus.
 Gariel LVIII, 3 (Gariel Coll.).
 Gariel Coll., 1310.

Toulousain

TOULOUSE

1650. *Obv.*: +LVDOVICVSREX. Cross.
Rev.: +TOLOSACIVI. LV/DO, in field. Denarius.
 Prou 818; Gariel XXXVIII, 11 (Gariel Coll.).
 Gariel Coll., 1086; Meyer Coll., 445; Bordeaux Coll., 301.
 Paris: 1.60 gr., (818a) 1.85 gr.; Berlin: 1.76 gr.; ANS: 1.50 gr. (PLATE XLVIII); Copenhagen: (T. 1286) 1.75 gr.
1651. *Obv.*: +LVDOVICVSREI. Cross.
Rev.: +TOLOSACIVI. LV/DO, in field. Denarius.
 Vatican: 1.75 gr.
Find: Excavations under St. Peter's (Rome).

Provence

ARLES

1652. *Obv.*: LVDOVVICVS. Bust to right.
Rev.: +ARELACIVIS. Ludovicus monogram. Denarius.
 Gariel XXXVIII, 4 (Combrouse. pl. XLIII, 5).
1653. *Obv.*: +LVDOVVICVS. Cross.
Rev.: +ARELACIVIS. Karolus monogram. Denarius.
 Prou 882; Gariel XXXVII, 2 (Gariel Coll.); *BMS* 284.
 Rousseau Coll., 441; Meyer Coll., 506; Hamburger Sept. 1926, 14;
 Schulman 1931, 139; Cahn Dec. 1932, 1350; Lockett Coll., 353; Münz.
 u. Med. Nov. 1957, 689. 1.53 gr.; Münz. u. Med. Nov. 1964, 16.
 Paris: 1.34 gr.; Berlin: 1.46 gr., 1.48 gr. (PLATE XLVIII); ANS: 1.48
 gr.; BM: (1896-7-4-1) 1.62 gr.; Hermitage: 1.43 gr., 1.52 gr.; Munich:
 1.53 gr.
1654. Same as foregoing. Obolus.
 Prou 883; Gariel XXXVII, 3 (Poey d'Avant, no. 4731); *BMS* 285.
 Paris: 0.72 gr.; Berlin: 0.54 gr.; BM: (1896-7-4-2) 0.76 gr.

Indeterminate Mints

1655. *Obv.*: +HLVDOVVICVSIN. Cross with one dot in each corner.
Rev.: +TOROTIMENLNI. Ludovicus monogram. Denarius.
 Gariel LXIV, 9 (Meyer Coll.).
 Berlin: 1.30 gr.

LOTHAIRE (954-986)

Francia

ARRAS

1656. *Obv.*: +LOTHARIV2I. Karolus monogram.
Rev.: +ATREB'A'SCI. Cross with one dart in one corner. Denarius.
 Gariel LVI, 1 (Poey d'Avant, no. 6738); *BMS* 286.
 Bordeaux Coll., 366; Meyer Coll., 446.
 BM: (SSB-127-48) 0.74 gr.
1657. *Obv.*: +LOTHARV. Karolus monogram.
Rev.: +.ÄTRĀDVS. Cross with X in one corner. Denarius.
 Gariel LVI, 2 (Gariel Coll.).
 Gariel Coll., 1289.
 Berlin: 1.31 gr.

SOISSONS

1658. *Obv.*: +LOII...VRVSEITI. REX, in field.
Rev.: +SVESSIOCIVITAS. Cross. Denarius.
 Gariel LVII, 27 (Gariel Coll.).
 Rousseau Coll., 543; Gariel Coll., 1307; Bordeaux Coll., 370.
1659. *Obv.*: LOTH...REX. Cross with one dot in each corner.
Rev.: +SVE2I2IOCI. Temple. Denarius.
 Paris: (287a) 1.40 gr.

RHEIMS

1660. *Obv.*: +LOTHARII. REX, in one line.
Rev.: +REMICIVI. Cross with one dot in one corner. Denarius.
 Gariel LVII, 24 (Combrouse, pl. XXXVII, 4).
 Hess, Lucerne July 1933, 101; Kress Oct. 1960, 1515.
 Berlin: 1.39 gr.; ANS: 1.41 gr. (Kress specimen) (PLATE XLVIII).
Find: Obrzycko.

MEAUX

1661. *Obv.*: +LOTIIIVIVSIEI. Cross.
Rev.: +MEIIDISCIVLI\VO. Karolus monogram. Obolus.
 Prou 367; Gariel LVII, 20 (Gariel Coll.).
 Gariel Coll., 1302; Meyer Coll., 455; Bordeaux Coll., 369 (ex Meyer).
 Paris: 0.71 gr.; Berlin: 0.63 gr., 0.64 gr.; Vatican: 0.56 gr.
Find: Excavations under St. Peter's (Rome).

MELUN

1662. *Obv.*: +IOVHARIVSREX. Cross.
Rev.: +IIILIDVNCATRO. Cross with one crescent in one corner.
 Denarius.
 Prou 373.
 Rousseau Coll., 540; Gariel Coll., 1303.
 Paris: 1.33 gr.

Burgundy

CHALON-SUR-SAÔNE

1663. *Obv.*: +LOTARIVSREX. B, in field.
Rev.: +CAVILON'CIVT. Cross. Denarius.
 Prou 622, 623; Gariel LVII, 12 (Gariel Coll.); BMS 287.
 Rousseau Coll., 539; Hamburger Nov. 1912, 116; Cahn Dec. 1932, 1341;
 Münz. u. Med. July 1955, 505, 1.20 gr.; Kress Oct. 1960, 1513, 1514;
 Kress Dec. 1961, 668; Münz. u. Med. Nov. 1964, 31; Kress Nov. 1966,
 1486.

Paris: 1.28 gr., 1.32 gr. (PLATE XLVIII); Berlin: 1.23 gr., 1.30 gr.; ANS: 1.10 gr., 1.25 gr.; Blunt: 1.17 gr.; BM: (1909-10-6-10-Spink) 1.12 gr.; Copenhagen: (K. P. 724) 1.30 gr.; Grierson: 1.24 gr. (var.); Hermitage: 1.01 gr.; Vienna: 1.20 gr.

MACON

1664. *Obv.*: +LOTHRIVSFX. Square with one circle at each corner.
Rev.: +MATISCNSIV. Cross with one circle at the end of each arm. Denarius.
 Prou 624; Gariel LVII, 17 (Gariel Coll.).
 Gariel Coll., 1300; Meyer Coll., 454; Lockett Coll., 364.
 Paris: 1.15 gr.; Berlin: 1.85 gr. (PLATE XLVIII); Blunt: 1.18 gr.; Grierson: 1.11 gr. (var.).
1665. *Obv.*: +IOTIIRIVS...I. Square with one circle at each corner.
Rev.: +MATISCINSECT (retrograde). Cross with one circle at the end of each arm. Denarius.
 Prou 625; Gariel LVII, 18 (Lacroix Coll., var.).
 Paris: 1.13 gr.

Aquitaine

BOURGES

1666. *Obv.*: +LOTERIVSREX. Cross.
Rev.: XBITVRICESCIVIT. Karolus monogram deformed. Denarius.
 Prou 758; Gariel LVI, 7 (Gariel Coll.), LVII, 6 (de Laugardière Coll., var., XBITVRICESCIVT); BMS 288, 289.
 Meyer Coll., 447, 448, 450; Cahn Dec. 1922, 528; Riechman Nov. 1924, 42; Cahn April 1929, 53; Cahn Sept. 1932, 1314; Cahn Dec. 1932, 1339.
 Paris: 1.23 gr.; Berlin: 1.19 gr.; BM: (60-10-19-18) 1.24 gr., (1937-1-8-8-R85) 1.21 gr.; Copenhagen: (T. 1239) 1.04 gr.; Grierson: 1.12 gr., 1.18 gr., 1.25 gr.; Holmes: 1.06 gr.; The Hague: (639) 0.97 gr.
Find: Bruères, 1.26 gr., 1.32 gr., 1.33 gr.; Bourges (1868), 1.19 gr.
1667. Same as foregoing. Obolus.
 Gariel LVII, 8 (Gariel Coll.).
 Rousseau Coll., 535quart., 535quinq.; Gariel Coll., 1294; Meyer Coll., 449.
 Berlin: 0.97 gr.
Find: Bruères, 0.58 gr., 0.59 gr.
1668. *Obv.*: +LOTERIVSREX. Cross.
Rev.: +HTVRICESCIVIT. Karolus monogram, deformed. Denarius.
 Prou 759.
 Paris: 1.03 gr.; Garrett: (6166) 1.22 gr. (var.); Grierson: 1.10 gr. (var.).

1669. *Obv.*: +LOTERIVSREX. Cross.
Rev.: +BITVRICESCIVIT. Karolus monogram, deformed. Obolus.
 Prou 760, 761.
 Paris: 0.55 gr., 0.22 gr.; Hermitage: 0.44 gr.
1670. *Obv.*: +LOTERIVSREX. Cross.
Rev.: +BITVRICESCIVI. Karolus monogram, degenerate. Denarius.
Find: Bruères, 1.32 gr., 1.35 gr.
1671. *Obv.*: +LOTERIVSREX. Cross.
Rev.: +BITVRICESCIVIT+A. Karolus monogram, degenerate. Denarius.
Find: Bruères, 1.28 gr.
1672. *Obv.*: +LOTERIVSREX. Cross.
Rev.: BITVRICESCIVITAS. Temple. Denarius.
 Prou 755; Gariel LVII, 9 (Gariel Coll.); *BMS* 290-295.
 Rousseau Coll., 536, 537; Gariel Coll., 1293-1296; Kricheldorf Nov. 1960, 320; Frankfurter Münzhandl. Sept. 1961, 39; Münz. u. Med. Nov. 1964, 30.
 Paris: 1.16 gr., (755a) 1.25 gr.; Berlin: 1.15 gr., 1.19 gr., 1.23 gr. (PLATE XLVIII); ANS: 1.18 gr., 1.22 gr.; Bodleian/Ashmolean; BM: (55-3-29-1) 1.10 gr., (56-8-7-12) 1.30 gr., (69-6-2-3-E) 1.32 gr., (1906-11-3-3182-Parkes Weber) 1.22 gr., (1935-4-1-10555-Clarke-Thornhill Bequest) 1.23 gr., (1908-10-11-278-Lincoln) 1.24 gr.; The Hague: (640) 1.08 gr., (Inv. 17596) 1.20 gr.; Grierson (two exemplars); Hermitage: 1.26 gr.; Munich: 1.13 gr., 1.22 gr.; Oslo: 1.22 gr.; Van Rede: (B1272) 1.20 gr.; Vatican: 1.21 gr., 1.25 gr. (var., +LOTERIVSRE); Vienna: 1.18 gr., 1.23 gr.; Yale: 1.20 gr.
Find: Chateauneuf-sur-Cher (?).
1673. *Obv.*: +LOTERIVSREX. Cross.
Rev.: BITVRICESCIVIS. Temple. Obolus.
 Gariel LVII, 10 (Gariel Coll.).
 Rousseau Coll., 538; Gariel Coll., 1296; Meyer Coll., 452.
Find: Chateauneuf-sur-Cher (?).
1674. *Obv.*: +LOTERIVSRE. Cross.
Rev.: BITVRICESCIVI. Temple. Denarius.
 Prou 756.
 Paris: 1.20 gr.; Copenhagen: (K. P. 417) 1.17 gr.; Hermitage: 1.26 gr.
1675. *Obv.*: +LOTERIVSR. . . Cross.
Rev.: BITVRICESCIVITA. Temple. Obolus.
 Prou 757.
 Paris: 0.56 gr.

1676. *Obv.*: +LOTERIVSREX. Cross.
Rev.: BITVRICESCIVIT. Temple. Denarius.
 Copenhagen: (Rollin 1852) 1.13 gr. (var.).

1677. *Obv.*: +LOTERIVSR. Cross.
Rev.: BITVRICESCIVIT. Temple. Denarius.
 Oslo: 1.20 gr.

1678. *Obv.*: +LOTERIVSRE+. Cross.
Rev.: BITV•/••/RICES. Denarius.
 Prou 753.
 Paris: 1.09 gr.

1679. *Obv.*: +L'OTERIVSREX. Cross.
Rev.: BITV/••/RICE. Obolus.
 Prou 754; Gariel LVII, 11 (Gariel Coll.).
 Gariel Coll., 1297.
 Paris: 0.40 gr.; Berlin: 0.63 gr.

1680. *Obv.*: +LOTARIVSRF. Cross.
Rev.: BITV/x/RICES. Denarius.
 Gariel LVI, 5 (Combrouse, pl. XLII, 2).

CLERMONT

1681. *Obv.*: +LOTARIVSREX. Cross with one dot in one corner.
Rev.: +CLAROMONTI. Cross. Denarius.
 Gariel LVII, 13.

Gascony

BORDEAUX

1682. *Obv.*: +IEVTARIO. 2LEF, in field.
Rev.: +BVRDEGAL. Cross. Denarius.
 Gariel LVI, 4 (Gariel Coll.).
 Gariel Coll., 1291.
 Berlin: 1.35 gr.; Paris (var. +IEVTARIO.RE+F, in field; +BVRDELAG).

1682a. Same as foregoing. Obolus.
Find.: Find no. 117 "Place Unknown."

CONRAD THE PACIFIC (937-993)

Burgundy

LYON

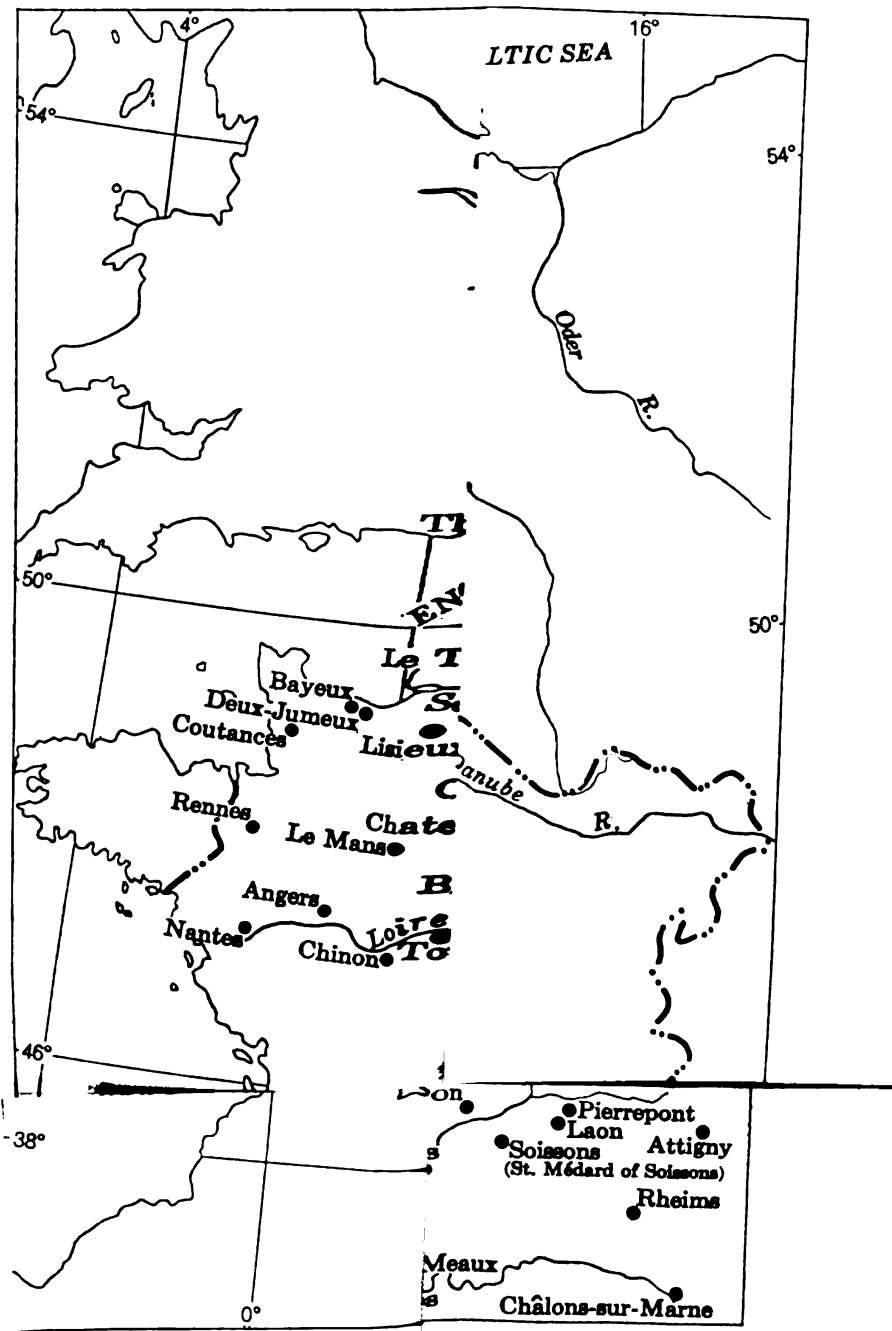
1683. *Obv.*: +CONRADVS. Cross.

Rev.: +LVGDVNVS. Triangle surmounted by a cross. Denarius
Prou 634, 635, 636, 637 (var.); Gariel LXVII, 3 (Gariel Coll.).

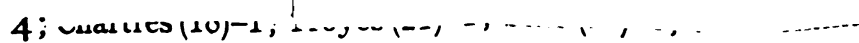
Gariel Coll., 1404; Hamburger Sept. 1926, 22; Schulman 1931, 176
177.

Paris: 1.35 gr., 1.33 gr., 0.95 gr., 1.18 gr., (636a-c) 1.10 gr., 1.20 gr.
1.20 gr.; ANS: 1.03 gr., 1.17 gr. (PLATE XLVIII); Blunt: 1.18 gr.
Dickie: 1.12 gr.; Hermitage: 1.14 gr.

32*



4;



INVENTORY OF FINDS

The following inventory is intended to serve as a concordance to the catalogue. It is a representative survey, rather than a definitive catalogue of finds. Although every effort has been made to register a complete list of relevant finds, the entries may be partial, and they are subject to the same limitations as the catalogue itself. Thus, non-Carolingian elements in the deposits—such as dirhems, Lombard issues, and even issues of Charlemagne in the Lombard series—are tallied, but not described. Weights of coins from these finds, when known, are entered in the catalogue, rather than in the lists below. For fuller descriptions, the student is referred to the literature cited, and, especially for the early deposits, to the masterly find catalogue of Völckers. For data concerning German deposits, I am under a very heavy obligation to Professor Dr. Walter Hävernick and Dr. G. Hatz. With great courtesy, they allowed me to consult the unpublished find catalogue of the Numismatische Kommission der Länder in der Bundesrepublik Deutschland, and their exemplary spirit of cooperation has enriched almost every entry for Germany. I also acknowledge with deep gratitude the kindness of Dr. Kellner, Prähistorische Sammlung München, and Dr. Gose, Landesmuseum Trier, who allowed me perfect freedom to inspect the still unpublished Pilligerheck find. We eagerly await their full publication of the deposit.

MAJOR FINDS

The contents of the major finds are arranged according to ruler and mint; the number in parentheses after the name of the mint city refers to the relevant entry in the Catalogue, and the last number indicates how many of the particular issue were present in the find.

1. **Imphy** (100 pieces). Find: 1857. Deposit: ca. 754–761.

Pippin the Short

Strassburg (1)–1; Cambrai (2)–1; Verdun (8)–2; Corbie (11)–4; Chartres (18)–1; Troyes (21)–1; Sens (22)–1; Indeterminate

(29)-?, (33)-?, (36)-?, (43)-?, (47)-20, (48)-1, (50)-?, (53)-1, (57)-3, (58)-?, (65)-?, (69)-3, (70)-?, (73)-3, (76)-2, (77)-1, (78)-?, (79)-1, (80)-1.

Carloman

Indeterminate (85)-1, (88)-2, (89)-8.

Charlemagne

St-Martin (Tours) (149)-1; Chartres (152)-2; Lyon (164), (165)-3; Indeterminate (238)-1, (247)-1, (257)-1, (262)-1, (267)-1, (276)-1, (286)-1, (294)-1, (295)-1.

SOURCE: Gariel I, pp. 54 f. Völckers, pp. 28, 121.

REMAINS: Dispersed. Formerly Ponton d'Amécourt Coll. Völckers identifies one example each of cat. nos. 18 and 148 as having entered the Paris cabinet ex Imphy, and judges that, of the Berlin collection, twenty-two specimens are definitely ex Imphy, and twenty additional pieces are probably of that provenance. His identifications of the Berlin coins follow:

<i>Certain:</i>		<i>Probable:</i>	
Völckers	Morrison-Grunthal	Völckers	Morrison-Grunthal
8	53	1-7	47
9	80	17	33
10	2	19	57
11	48	20	70
13	58	23	73
14	29	25	11
15	43	31	49
18	22	32	85
21	36	33	88
24	13	38	152
26	74	39	257
27	1	43	262
29	8	52	226
30	9		
35	89		
36	238		
37	247		
44	276		
45	259		
46	289		
49	267		
53	226		

In addition, Völckers notes the following variants of Imphy types in the Berlin cabinet:

Völckers	Morrison-Grunthal	Völckers	Morrison-Grunthal
16	33	42	262
22	36	47	286
28	21	50	294
34	88	51	291 (ex
40	164		Imphy ?)
41	165		

2. **Bel-Air** (10 pieces). Find: before 1858. Deposit: 761-790.

Charlemagne

Dinant (111)-1; Condé-sur-l'Escaut (113)-1; Le Mans (144)-1; Indeterminate (231)-7.

SOURCE: A. Longpérier in *RN* 1856, pp. 180-189, pl. V; Völckers, pp. 97, 176.

REMAINS: Entire deposit preserved in the Cabinet des Médailles, Lausanne.

3. **Chezy-l'Abbaye** (? pieces).

Find: before 1871.

Deposit: ca. 761-790.

Charlemagne

Rheims (134); Ste-Marie (Rheims) (136), (138).

SOURCE: Prou, as indicated in the Catalogue entries; Völckers, pp. 72, 156.

REMAINS: Dispersed. The three pieces cited are in the Paris cabinet.

4. **"Gelderland"** (ca. 18 pieces).

Find: before 1859.

Deposit: 761-790.

Charlemagne

Dorestadt (99)-11; Bonn (108)-1; Dinant (111)-1; Troyes (161)-1; Indeterminate (249)-1, (250)-1, (252)-1.

SOURCE: Völckers, pp. 72, 156.

REMAINS: The coins listed are in the Cabinet des Médailles, Bibliothèque royale, Brussels.

5. **Jelsum** (at least 9 pieces).

Find: before 1887.

Deposit: 761-790.

Charlemagne

Dorestadt (99)-3; Chartres (153)-1; Indeterminate (249)-1, (250)-1, (262)-2 (Völckers attributes one more coin of this type to the deposit, to make a total of 3; but the grounds of this attribution are uncertain), (274)-1.

SOURCE: P. C. J. A. Boeles, "Les trouvailles de monnaies carolingiennes dans les Pays-Bas, spécialement celles des trois provinces septentrionales," *Jaarboek voor Munt- en Penningkunde*, 2 (1915), pp. 23 ff.; Völckers, pp. 73, 158.

REMAINS: Preserved in Frisian Museum (Leeuwarden).

6. **"Jura"** (7 pieces). Find: ca. 1954. Deposit: ca. 761–790.

Charlemagne

Verdun (120)–3; (121)–1; Rheims (135)–1; Chartres (153)–1; Indeterminate (226)–1.

SOURCE: Lafaurie, *ANSCent. Publ.*, pp. 407–415; Völckers, pp. 71, 155.

REMAINS: Dispersed.

7. **Sarzana** (12 pieces). Find: 1868. Deposit: ca. 761–790.

Charlemagne

Dorestadt (99)–1; St-Martin (Tours) (150)–1; Indeterminate (226)–7, (231)–1, (262)–1, (292)–1.

SOURCE: *RN* 1868, pp. 345–356; Gariel I, pp. 56 f.; Völckers, pp. 95, 175.

REMAINS: Dispersed.

8. **Vercelli** (ca. 25 pieces). Find: before 1758. Deposit: 761–790.

Charlemagne

Strassburg (97)–"plusieurs;" Treviso (213)–1; Indeterminate (232)–?, (238)–?, (244)–?, (250)–?, (268)–?, (272)–?, (307)–?.

SOURCE: J. Lafaurie, "Trésor de monnaies carolingiennes découvert dans le Jura," *ANSCent. Publ.*, p. 409, n. 9; Völckers, pp. 97, 177.

REMAINS: Dispersed.

9. **Krinkberg** (91 pieces). Find: 1885. Deposit: 781–800.

Charlemagne

Dorestadt (99)–47, including fragments and imitations; Dinant (111)–1; Verdun (120)–1; Laon (127)–1; Le Mans (144)–1; Chartres (153)–1; Langres (163)–1; Lyon (165)–3; Marseille (201)–1; Indeterminate (226)–5, (249)–5, (252)–1, (253)–1, (254)–2, (260)–3, (261)–2, (262)–2, (268)–3, (269)–1, (278)–1, (283)–1, (297)–1, (306)–2.

Louis the Pious (Royal issue)

Indeterminate (461)–1.

SOURCE: E. Nöbbe, "Der karolingische Münzschatz vom Krinkberg," *Festschrift zur Hundertjahrfeier des Museums vorgeschichtlicher Altertümer in Kiel* (Neumünster in Holstein, 1936), pp. 136–160; Völckers, pp. 79, 166.

REMAINS: Bulk of deposit preserved in Schloss Gotthorp, Landesmuseum Schleswig.

10. **Ilanz II** (123 pieces). Find: 1904. Deposit: ca. 790–800.

Pippin the Short

Strassburg (1)–1; Indeterminate (48)–7, (69)–1.

Charlemagne

Dorestadt (99)–1; Rheims (133)–1; St-Martin (Tours) (151)–1; Chartres (153)–1; Lyon (164)–1; Parma (206)–1; Pavia (207)–1; Milan (211)–1; Treviso (214)–1; (216)–2; Indeterminate (226)–19, (238)–2, (262)–1, (272)–3, (276)–1, (287)–1, (305)–1.

Foreign Issues

A. Lombard Kings

Liutprand–1; Desiderius–33; Indeterminate–2.

B. Charlemagne, Lombard fabric.

Bergamo–6; Castel Seprio–1; Chur (?)–1; Lucca–1; Milan–24; Pavia–1.

C. Anglo-Saxon Kings

Offa of Mercia–2; Egbert of Kent–1.

D. Islamic Rulers

Al-Mahdi–1; Harun al-Rashid–1.

SOURCE: F. Jecklin, "Der langobardisch-karolingische Münzfund bei Ilanz," *Mitteilungen der Bayerischen Numismatischen Gesellschaft*, 25 (1906/7), pp. 28–79; Völckers, pp. 73, 160.

REMAINS: Entire deposit in Rätisches Museum, Chur.

11. **Biebrich** (ca. 4000 pieces). Find: 1921. Deposit: 790–814.

Charlemagne

Mainz (91); (92), "Sennes" (95); Dorestadt (100); Bourges (173), (174); Laon (130); St. Denis (139a); Tours (147); Lyon (166); Melle (172); Agen (178), (179); Toulouse (181); Vienne (191); Pavia (207); Indeterminate (308).

Foreign Issues

Leo III; Harun al-Rashid.

SOURCE: *Blätter für Münzfreunde*, 40 (1925), p. 207; A. Cahn, *Versteigerungs-Katalog Nr. 42 (1922): Sammlung eines rheinischen Gelehrten*, nos. 497–512; Völckers, pp. 104, 182.

REMAINS: Twenty-six coins reasonably supposed to be ex Biebrich are preserved by the Landesamt für Kulturgeschichtliche Bodentaler-tümer, Wiesbaden, which also possesses 23 casts of additional pieces attributed to the find. The bulk of this deposit was scattered in wet concrete and built into a retaining wall in the Rhein.

12. **Bondeno** (ca. 2000 pieces). Find: 1896. Deposit: 790–814.

Charlemagne

Melle (172); Béziers (183); Pavia (207); Milan (212); Treviso (220).

SOURCE: *RIN* 1896, p. 144; Not in Völckers.

REMAINS: Dispersed.

13. **Ibersheim** (30 pieces). Find: 1880. Deposit: ca. 814.

Charlemagne

Lyon (166)–1; Melle (172)–3; Agen (177)–1; Toulouse (181)–1; Arles (196)–1; Pavia (207)–4; Milan (212)–2; Indeterminate (311)–1. One fragment of the +CAROLVS REX FR type, with the reverse inscription +DA+R. . .

SOURCE: P. Joseph in *Berliner Münzblätter*, 3 (1882), p. 230, and (less complete) *Die Münzen von Worms* (Darmstadt, 1906); Völckers, pp. 110, 186.

REMAINS: Fifteen pieces in the Paulusmuseum, Worms (Städtisches Museum, Worms).

14. **Belvézet** (293 pieces). Find: 1836. Deposit: ca. 820.

Charlemagne

Melle (172)–1; Pavia (207)–1.

Louis the Pious

Palace (320)–1; Mainz (321)–1; Chur (322)–1; Dorestadt (332)–3; Trier (344)–1; Verdun (347)–1; Rheims (357)–4; Paris (360)–13; Meaux (363)–4; Rouen (366)–3; Tours (371)–6; Sens (376)–4; Lyon (379)–4; Nantes (384)–1; Aquitaine (389)–5; Melle (399)–11; Bourges (410)–7; Dax (415)–3; Toulouse (420)–4; Ampurias (424)–5; Barcelona (426)–9; Narbonne (430)–10; Vienne (433)–8; Arles (435, 439)–8; Marseille (444)–47; Pavia (447)–40; Milan (451)–17; Treviso (453)–1; Lucca (454)–1; Venice (456)–34; Indeterminate (472)–3, (509)–1.

SOURCE: Gariel I, pp. 65f.; Völckers, pp. 115, 190.

REMAINS: Dispersed.

15. **Veuillin** (742 pieces). Find: 1871. Deposit: ca. 820.

Louis the Pious

Palace (320)–30; Mainz (321)–2; Strassburg (326, 327)–3; Dorestadt (332, 335)–14; Cologne (339, 341)–3; Cambrai

(342)-8; Trier (344)-2; Metz (346)-1; Verdun (347)-12; Quentovic (353)-7; Rheims (356, 357, 358)-12; Paris (360, 361)-24; Meaux (363)-4; Rouen (366)-5; Tours (371)-28; Orléans (373)-1; Sens (376)-21; Chalon-sur-Saône (378)-2; Lyon (379)-19; Nantes (384)-1; Aquitaine (389)-13; Melle (398, 407)-73; Bourges (410)-127; Dax (415, 416)-5; Toulouse (420)-2; Ampurias (424)-2; Barcelona (425)-3; Narbonne (430)-14; Arles (435, 439)-10; Marseille (444)-4; Pavia (447, 448)-26; Milan (451)-47; Treviso (453)-6; Venice (455, 456, 458)-195; Indeterminate (462)-2.

Charles the Bald or Charlemagne

Melle (1063).

SOURCE: Gariel I, pp. 60ff.; Völckers, pp. 115, 189.

REMAINS: Dispersed.

16. **Angers** (32 pieces). Find: 1812. Deposit: 814-840.

Louis the Pious

Meaux (362)-1; Tours (371)-2; Sens (376)-4; Rennes (382)-1;

Nantes (383)-1; Melle (398)-17, (402)-3; Bourges (410)-2.

SOURCE: Gariel I, p. 68f.

REMAINS: Dispersed.

17. **Barbentane** (at least 25 denarii and 3 oboli), Find: "an debut du (XXe) siècle." Deposit: after 814.

Louis the Pious

Indeterminate (472)-25, (473)-3.

SOURCE: RN 1945, pp. 192f.

REMAINS: Dispersed.

18. **Dorestadt** (48 pieces). Find: 1845/6. Deposit: ca. 814?

Charlemagne

Mainz (92)-1; Dorestadt (100)-6; Tours (147)-1; Melle (172)-1; Agen (178)-4; Pavia (207)-2; Milan (212)-1; Treviso (220)-2; Indeterminate (308)-1, (318)-1.

Louis the Pious

Mainz (321)-2; Strassburg (324)-1; Dorestadt (330)-6; Cambrai (342)-1 (?); Quentovic (353)-2; Venice (456)-1 (?); Indeterminate (472)-12, (476)-1.

Charles the Bald (The presence of these coins in the find is dubious.)

Chelles (856)-1; Toulouse (1095)-1.

SOURCE: L. de Coster, *RBN* 1857, pp. 35f.; Völckers does not discuss this find separately, omitting entirely the issues of Pavia and Milan in Charlemagne's name; the other coins in the deposit appear in Völckers' catalogue under these numbers: III, 20, 29, 35, 44, 48, 69, 72, 78-79, 85-86, 93-98, 101, 104, 106-107, 113-114, 120, 152-163.
REMAINS: Divided between Nahuys and van Ittersum Colls., reassembled ca. 1851 by de Coster, and dispersed.

19. **Frankfurt a.M.** (4 pieces). Find: 1956. Deposit: ca. 835(?)
Two denarii of Dorestadt, one of Sens, and one of Venice.

The issuing monarchs are not mentioned, but the combination of mints suggests the reign of Louis the Pious.

SOURCE: *Numismatisches Nachrichtenblatt*, 1956, p. 148.

REMAINS: Frankfurt, Städtisches Museum.

20. **Freising** (40-50 pieces). Find: 1938. Deposit: ca. 835.
Denarii of Louis the Pious and his successors, with one penny of Wulfred of Canterbury.

SOURCE: MS. Akten der Staatlichen Münzsammlung München.

REMAINS: Dispersed.

21. **Heljarp** (30 pieces). Find: 1905. Deposit: after 814.

Louis the Pious

Indeterminate (472)-30.

SOURCE: K. Skaare, "Et myntfunn fra Kaupang," *Fra Kaupang-Grauningene*, 1959 (Stockholm, 1958/9), p. 114; G. Galster, *Coins and History* (Copenhagen, 1959), p. 68.

REMAINS: Dispersed.

22. **Hermenches** (300 pieces). Find: 1921. Deposit: after 814.

Louis the Pious

Venice (456)-2; Indeterminate (472)-298.

SOURCE: *RN* 1924, p. 131f.

REMAINS: Bulk of find in Cabinet des Médailles, Lausanne.

23. **"Indre"** (24 pieces). Find: 1882. Deposit: ca. 840.

Louis the Pious

Paris (361)-1; Melle (398)-2; Bourges (410)-1; Dax (415)-1; Arles (439)-1; Indeterminate (472)-9, (480)-1, (491)-1, (496)-1, (503)-1.

Pippin I/II

Indeterminate (621)-1.

Charles the Bald

Indeterminate (1157)–1.

SOURCE: Gariel I, pp. 69f.

REMAINS: Dispersed.

24. **Karden** (4 pieces). Find: 1928(?). Deposit: after 814.

Louis the Pious

Indeterminate (472).

SOURCE: *Bonner Jahrbuch*, 134 (1929), Jahresbericht 1928, p. 180.

REMAINS: One piece preserved in Landesmuseum Bonn.

25. **Kettilstorp** (ca. 20 pieces).
Find: before 1873. Deposit: ca. 835.

Louis the Pious

Indeterminate (472)–2.

Pippin I/II

Poitiers (605)–1; Melle (606)–2.

Charles the Bald

Melle (1063)–3.

Found with fragments of twelve Cufic coins.

SOURCE: K. Skaare, "Et myntfunn fra Kaupang," *Fra Kaupang-Grauningen*, 1959 (Stockholm, 1958/9), p. 112; N. L. Rasmusson, "Kring de västerländska mynten i Birka," *Från Stenålder till Rokoko (Festschrift Otto Rydbeck)* (Stockholm, 1937), p. 121; Völckers, pp. 118, 192.

REMAINS: Dispersed?

26. **Thouars** (47 pieces). Find: 1849. Deposit: after 817.

Louis the Pious

Indeterminate (472)–45, (509)–1.

Lothaire I

Indeterminate (589)–1.

SOURCE: Gariel I, p. 70.

REMAINS: Dispersed.

27. **Winsum** (? pieces). Find: before 1861.

Louis the Pious

"une masse compacte de monnaies franques en argent de
Louis le Débonnaire"

SOURCE: Boeles, op. cit., p. 53.

REMAINS: Dispersed.

28. **Aalsum** (at least 31 pieces). Find: before 1885.

Deposit: ca. 840.

Louis the Pious

Indeterminate (472)–5 (or 14).

Lothaire I

Dorestadt (521)–2; (525)–22; Indeterminate (576?)–1.

Imitation of Louis the Pious

No. 515–1.

SOURCE: Boeles, op. cit., pp. 50ff.

REMAINS: Twenty-seven pieces are preserved in the Frisian Museum (Leeuwarden).

29. **Achlum** (428 pieces). Find: 1852.

Deposit: ca. 840.

Charlemagne

Lyon (167)–1.

Louis the Pious

Mainz (321)–1; Strassburg (327)–1; Dorestadt (330)–1; (332)–2; Indeterminate (472)–484.

Pippin I/II

Indeterminate (621)–1.

Charles the Bald

Rheims (813)–2; Orléans (944)–1; Melle (1063)–1; Indeterminate (1154)–1, (1157)–1, (1162)–1.

SOURCE: Boeles, op. cit., pp. 30ff.

REMAINS: Dispersed.

30. **Auzeville** (46 pieces). Find: ca. 1878.

Deposit: ca. 840.

Louis the Pious

Toulouse (420)–1.

Pippin I/II

Toulouse (618, 619,)–19.

Charles the Bald

Toulouse (1095, 1096, 1101, 1103, 1104)–26.

SOURCE: Gariel I, pp. 77ff.

REMAINS: Dispersed.

31. **Ballon** ("un petit depôt"). Find: 1824/5.

Deposit: ca. 840.

Louis the Pious

Indeterminate (472).

Lothaire I

Huy (541).

Charles the Bald

Rheims (813); Indeterminate (1154).

SOURCE: Gariel I, pp. 71 f.

REMAINS: Dispersed.

32. **Brioux** (133+ pieces). Find: 1878. Deposit: ca. 840.

Louis the Pious

Pavia (445)-1.

Pippin I/II.

Aquitaine (601)-1; Melle (606)-22, (607)-1, (608)-39; Toulouse (616)-?.

Charles the Bald

Melle (1056)-70, (1057), (1063)-2, (1066); Toulouse (1095)-?.

SOURCE: Gariel I, pp. 76 f. (partial account); RN 1884, pp. 273 f.; A.

Bardonnnet, "Sur un trésor carlovingien provenant de Brioux," *Bulletins de la Société de Statistique, Sciences, Lettres et Arts du Département des Deux-Sèvres*, 5 (1882), pp. 14-21. The three finds reported by Bardonnnet may well have been parts of one large deposit.

REMAINS: Dispersed.

33. **Cosne** (41 pieces). Find: 1892. Deposit: ca. 840.

Louis the Pious

Indeterminate (472)-2.

Lothaire I

Dorestadt (525)-2.

Charles the Bald

Orléans (944)-8; Auxerre (987)-29.

SOURCE: RN 1893, p. 111.

REMAINS: Dispersed.

34. **Emmen** (362 pieces). Find: 1871. Deposit: ca. 840.

Louis the Pious

Indeterminate (472)-186, (478)-15, (481)-2, (483)-4, (495)-5, (496)-7.

Lothaire I

Dorestadt (525)-79; Huy (541)-2; Trier (546)-1; Verdun (551)-2; Indeterminate (575)-1, (576)-1, (581)-1, (582)-"quelques-unes."

Charles the Bald

Rheims (813)-11; Orléans (944)-2, (945)-1; Indeterminate (1157)-11.

SOURCE: Boeles, op. cit., pp. 60 ff.

REMAINS: Nearly the entire deposit is preserved in the Provinciaal Museum van Drenthe, Assen.

35. **Etréchy** (6 pieces). Find: 1884.

Deposit: ca. 840.

Charles the Bald

Chartres (932)-1; Orléans (944)-2; Aquitaine (1053)-3.

SOURCE: *Annuaire de la Société française de numismatique et d'archéologie*, 8 (1884), pp. 367 f.

REMAINS: Dispersed.

36. **Fontaines** (ca. 600 pieces). Find: 1893.

Deposit: ca. 840.

Louis the Pious

Aquitaine (388); Melle (394); Indeterminate (472).

Pippin I/II

Aquitaine (598); Indeterminate (621).

Charles the Bald

Rheims (813); Aquitaine (1050); Indeterminate (1157).

SOURCE: *Annuaire de la Société française de numismatique et d'archéologie*, 18 (1894), pp. 147 f.

REMAINS: Dispersed.

37. **"Frisia"** (20+ pieces). Find: before 1853.

Deposit: ca. 840.

Louis the Pious

Orléans (372)-1; Indeterminate (466)-1, (472)-14.

Lothaire I

Indeterminate (562)-1, (568)-1.

Pippin I/II

Aquitaine (597)-1; Bourges (609)-1.

A number of undescribed pieces were also in the deposit.

SOURCE: Boeles, op. cit., pp. 26 ff.

REMAINS: Dispersed.

38. **Groningen** (63 pieces). Find: 1890.

Deposit: ca. 840.

Louis the Pious

Indeterminate (472)-57.

Lothaire I

Dorestadt (525)-2; Cologne (530)-1; Verdun (551)-1; Indeterminate (583)-1.

Charles the Bald

Auxerre (987)-1.

SOURCE: Boeles, op. cit., pp. 79 ff.

REMAINS: Dispersed.

39. **Kimswerd-Pingjum I** (173 pieces).

Find: before 1891.

Deposit: ca. 840.

Louis the Pious

Indeterminate (472)-87, (478)-1, (481)-2, (482)-2, (483)-2, (496)-6.

Lothaire I

Dorestadt (525)-58; Indeterminate (573)-1, (585)-1, (590)-1.

Charles the Bald

Rheims (813)-2; Indeterminate (1157)-9.

SOURCE: Boeles, op. cit., pp. 42 ff.

REMAINS: Purchased for the Frisian Museum (Leeuwarden), but lost.

40. **Kimswerd-Pingjum II** (52 pieces).

Find: before 1892.

Deposit: ca. 840.

Louis the Pious

Indeterminate (472)-19.

Lothaire I

Dorestadt (525)-16.

Pippin I/II

Dax (614)-1.

Charles the Bald

Meaux (848)-1; Indeterminate (1164, 1165)-4.

SOURCE: Boeles, op. cit., pp. 44 ff.

REMAINS: Twenty-six pieces preserved at the Frisian Museum (Leeuwarden).

41. **La Gillerie** (35 pieces). Find: before 1857. Deposit: ca. 840.

De Coster's account mentions only that the deposit contained twenty-two coins with city names and thirteen with the XPI-
STIANA RELIGIO reverse, of which latter, one had the obverse
inscription CARLVX REX FR.

SOURCE: RBN 1857, p. 41.

REMAINS: Dispersed.

42. **Lauzès** (32 pieces). Find: 1893. Deposit: ca. 840.

Louis the Pious

Aquitaine (392)-1; Narbonne (430)-1; Indeterminate (471)-1, (472)-17, (473)-2.

Pippin I/II

Aquitaine (598)-1; Bourges (609)-1; Indeterminate (620)-1, (621)-1.

Charles the Bald

Indeterminate (1157)-1.

SOURCE: RN 1906, pp. 301-305.

REMAINS: Dispersed.

43. **Loppersum** (243 pieces). Find: 1884. Deposit: ca. 840.

Louis the Pious

Indeterminate (472)-242 (?)

Charles the Bald

Paris (827)-1 (?)

SOURCE: Boeles, op. cit., pp. 82 f.

REMAINS: Dispersed.

44. **Méréville-Saint-Père** (25 pieces).

Find: 1863?

Deposit: ca. 840.

Louis the Pious

Indeterminate (472)-5.

Pippin I/II

Aquitaine (597 ff.)-2.*

Charles the Bald

Chartres (932)-1; Orléans (944)-11, (945)-1; Aquitaine (1049 ff.)-3;* Indeterminate (1153)-2.

*"5 oboles du royaume d'Aquitaine, dont une de Pépin Ier; une de Pépin II; une *inédite* de Charles le Chauve; deux de Charles, le plus jeune des fils de Charles le Chauve."

SOURCE: V. Duhamel, "Notice sur des monnaies gauloises et carlovingiennes trouvées à Méréville (Seine-et-Oise)," *Annales de la Société historique et archéologique du Gâtinais*, 2 (1864), pp. 29-34.

REMAINS: Dispersed?

45. **Muizon-lez-Malines** (73 alleged pieces).

Find: 1906.

Desposit: ca. 840.

Louis the Pious

Indeterminate (472)–41.

Lothaire I

Indeterminate (569)–1.

Pippin I/II

Aquitaine (601)–2, (602)–2.

Charles the Bald

Quentovic (723)–2; Aquitaine (1053)–2; Indeterminate (1157–13.

Foreign

Dirhem dating A.D. 866. I judge this piece extraneous to the find.

SOURCE: *RBN* 1950, pp. 203–208.

REMAINS: Dispersed. Sixty-three pieces, supposedly from the deposit, have been assembled at the Musée royaux d'Art et d'Histoire (Parc du Cinquantenaire, Brussels).

46. Mullaghboden (11 + pieces). Find: 1871. Deposit: ca. 847.*Louis the Pious*

Melle (398)–1; Indeterminate (472)–2, (476)–1.

Pippin I/II

Melle (606)–1.

Charles the Bald

Melle (1063)–2.

SOURCE: *Proceedings of the Royal Society of Antiquaries of Ireland* (1872/3) pp. 13–16, R. H. M. Dolley, "The 1811 Viking-Age Find of Silver Coins as a Reflection of Westfolding Intervention in Ireland," *Universitetets Oldsaksamlings Årbok* (1960–61), pp. 49–62; *The Clongownian* (Clongowes Wood College, Naas Co., Kildare, Ireland), vol. 23, no. 2 (1963), p. 5; R. H. M. Dolley and K. F. Morrison, "Finds of Carolingian Coins from Great Britain and Ireland," *British Numismatic Journal*, 32 (1964), p. 78, no. 4.

REMAINS: Dispersed. One piece of Charles-Melle is in the British Museum; another is in the Museum at Clongowes Wood College, together with one coin of Louis-Christiana Religio, and tinfoil impressions of five of the other coins.

47. Neuvi-au-Houlme (ca. 150 grams of coins).

Find: 1855.

Deposit: ca. 840.

Louis the Pious

Indeterminate (472).

Lothaire I

Dorestadt (525); Indeterminate (585).

Pippin I/II

Indeterminate (621.)

Charles the Bald

Rheims (813).

SOURCE: *RN* 1856, pp. 429f.; Gariel I, p. 70.

REMAINS: Dispersed.

48. **Oudwoude** (62 pieces). Find: 1902. Deposit: ca. 840.

Louis the Pious

Indeterminate (472)–28.

Lothaire I

Dorestadt (525)–30; Indeterminate (585)–1.

Charles the Bald

Paris (827)–1; Orléans (944)–1; Indeterminate (1157)–1.

SOURCE: Boeles, op. cit., pp. 40ff.

REMAINS: Dispersed.

49. **Rijs** (112 pieces). Find: 1840. Deposit: ca. 840.

Louis the Pious

Indeterminate (472)–12.

Lothaire I

Dorestadt (526)–2; Indeterminate (592)–1.

Charles the Bald.

Melle (1063)–1.

SOURCE: Boeles, op. cit., pp. 47ff.

REMAINS: Twenty-three pieces are preserved in the Frisian Museum (Leeuwarden).

50. **Saint-Emilion II** (200 pieces).

Louis the Pious

“oboles et demi-oboles”

Charles the Bald (a small part of the deposit)

Melle (1063)

SOURCE: *Musée d'Aquitaine*, vol. III, pp. 127f.; La Mothe, *Essai*, p. 172;
C. Higounet. *Bordeaux pendant le haut moyen age* (Bordeaux, 1963),
p. 319.

REMAINS ?

51. **Zelzate** (ca. 450 pieces). Find: 1949. Deposit: ca. 840.

Louis the Pious

Indeterminate (472, 478, 482, 483, 496)–290.

Lothaire I

Palace (517)–1; Cambrai (544)–?; Metz (549)–?; Indeterminate (573)–4, (583)–1, (585)–6, (588)–1.

Pippin I/II

Aquitaine (597)–1, (601)–5.

Charles the Bald

Mouzon (695)–1; Bruges (698)–?; Ghent (704)–?; Thérouanne (712)–?; Quentovic (718)–1; Amiens (751)–?; Laon (793)–1; Rheims (813)–2; Paris (827)–?; St-Denis (840)–1; St-Martin (Tours) (920)–?; Orléans (945)–?; Sens (983)–3; Rennes (1045)–?; Indeterminate (1157)–18, (1160)–1.

Louis the Child (more probably, Louis the German)

Indeterminate (1570)–2.

Hybrid

Obv.: +LVGDVNICL+MONETA Cross with one dot in each corner.

Rev.: XPISTIANARELIGIO Temple. Denarius. One exemplar.

Indecipherable

Obv.: +REDOODAITARG Cross.

Rev.: +TVRNACOCIVIT Karolus monogram. Denarius. One exemplar.

Obv.: +ODVTDADIIE Karolus monogram.

Rev.: +BRATNOSODT Cross. Denarius. One exemplar.

SOURCE: J. Dhondt and A. Van de Walle, "La trouvaille de monnaies carolingiennes de Zelzate," *Handelingen der Maatschappij voor Geschiedenis en Oudheidkunde te Gent*, IV, 2 (1950), pp. 5–21; P. Naster in *RBN* 1950, pp. 208–224.

REMAINS: Dispersed.

52. **Ide** (112 pieces). Find: 1955. Deposit: ca. 850.

Louis the Pious

Dorestadt (337)–1; Venice (456)–1; Indeterminate (472)–62.

Lothaire I

Dorestadt (525)–34; Maastricht (536, 538)–2.

Charles the Bald

Rheims (813)-3; Orléans (945)-1; Indeterminate (1154)-1, (1157)-5.

Lothaire II

Verdun (1189)-1.

Pippin I/II

One piece, "probably from Uzès:" van Gelder (1955), or Dax (614): van Gelder (1965).

SOURCE: H. Enno van Gelder, "De karolingische Schatvondst van Ide," Provinciaal Museum van Drenthe, *Museum Bulletin*, 1955, pp. 257 ff. and, more recently, the excellent publication of the material by van Gelder, "Le trésor carolingien d'Ide," *RN* 1965, pp. 241-261.

REMAINS: Assen Museum.

53. **Pilligerheck** (ca. 1500 pieces). Find: 1958? Deposit: ca. 850.

Louis the Pious

Dorestadt (337)-1; Indeterminate (472, 474-483, 485, 486, 488, 489, 491-494, 496, 497, 498, 500-502, 504, 505, 507, 508)-ca. 1290.

Lothaire I

Palace (517, 519)-9; Dorestadt (525)-131; Cologne (531)-1; Maastricht (539, 540)-2; Huy (541, 542)-3; Trier (546)-10; Metz (548, 549, 550)-9; Verdun (551, 552)-33; Milan (558)-1; Indeterminate (562, 563, 570, 573, 577, 578, 579, 582, 585)-33.

Louis the German

Mainz (594)-3.

Pippin I/II

Aquitaine (599)-2; Dax (614)-2; Toulouse (616)-1; Indeterminate (621)-2.

Charles the Bald

Quentovic (715)-1; Laon (792)-3; Rheims (813)-18; Paris (826)-3; Meaux (850)-1; St-Martin (Tours) (920)-4; Chartres (931)-1; Orléans (944)-8, (945)-10; Sens (982)-9; Indeterminate (1153)-30, (1167)-1.

Lothaire II

Verdun (1187)-4.

Hybrid

Obv.: °PAIATINAMONETA. Cross with one dot in each corner.

Rev.: XPISTIANARELICIO Temple. Denarius. One exemplar.

SOURCE: Unpublished.

REMAINS: Presently preserved in Landesmuseum Trier and Prähistorische Sammlung, München.

54. **Chamoux-Marcilly** (303 + pieces).

Find: 1930.

Deposit: ca. 850.

Louis the Pious

Indeterminate (472)–216.

Charles the Bald

Orléans (945)–1; Aquitaine (1053)–15; Melle (1064)–2; Bourges (1067)–16, (1071)–6, (1072)–3; Indeterminate (1154)–46, (1158)–3.

SOURCE: *RN* 1933, pp. 231 f.; P. Chenu, in *Mémoires de la Société historique du Cher*, ser IV, vol. 39 (1931/2), Bourges, pp. 103–126.

REMAINS: Dispersed.

55. **Midlaren** (85 pieces). Find: 1906.

Deposit: ca. 855.

Louis the Pious

Indeterminate (472)–29.

Lothaire I

Dorestadt (525)–48; Pavia (556)–88.

Charles the Bald

Chartres (932)–1; Sens (982)–1; Auxerre (987)–1.

Lothaire II

Aachen (1184)–1.

SOURCE: Boeles, op. cit., pp. 63 ff.

REMAINS: Portions of the find are preserved in the Provinciaal Museum van Drenthe, Assen and in the Royal Cabinet, The Hague.

56. **Wagenbogen** (ca. 500 pieces). Find: 1900. Deposit: ca. 860.

Louis the Pious

Indeterminate (472, 478, 481).

Lothaire I

Palace (517); Dorestadt (521, 525); Cologne (531); Maastricht (535, 536, 537); Metz (548, 549); Verdun (551); Pavia (556, 557); Milan (558); Indeterminate (582, 583, 588, 590, 591, 592).

Pippin I/II

Aquitaine (599).

Charles the Bald

Rheims (813); Paris (826, 827); Orléans (944); Sens (982);
Bourges (1070); Indeterminate (1157, 1166).

Lothaire II

Verdun (1187); Indeterminate (1190).

SOURCE: Boeles, *op. cit.*, pp. 83 ff.

REMAINS: Nearly half the deposit is preserved in the Royal Cabinet, The Hague.

57. **Langon** (8–9 pounds of coins). Find: 1822. Deposit: after 864?

Louis the Pious

Indeterminate (472)

Charles the Bald

Melle (1063?)

SOURCE: C. Higounet, *Bordeaux pendant le haut moyen age* (Bordeaux 1963), p. 318.

REMAINS: ?

58. **Vaux-de-Vire** ("quelques piles de deniers d'argent").

Find: 1840.

Deposit: after 864.

Charles the Bald

Valenciennes (730); Amiens (754); Noyon (804); St-Denis (843); Lisieux (886); Bayeux (889); "Curtisassonien" (895);
Le Mans (905); Angers (912); Blois (926); Chartres (937).

Charles the Simple, (probably in this find, Charles the Bald)

Orléans (1409).

SOURCE: *RN* 1840, pp. 375 f.

REMAIS: Dispersed.

59. **Nourray** (20 pieces). Find: 1866.

Deposit: after 864.

Charles the Bald

Palace (622)–5; Aachen (641)–1; Théroutanne (712)–1; Amiens (762)–1; Rheims (814)–1; Paris (833)–1; St-Denis (843)–1; Bayeux (887)–2; Tours (916)–1; Chinon (922)–1; Orléans (948)–4; Nevers (1007)–1.

SOURCE: Gariel I, pp. 83 f.

REMAINS: Dispersed.

60. **Assebrouck** (ca. 600 pieces). Find: 1858. Deposit: ca. 870.
Only the following coins were inventoried:

Charles the Bald

Bruges (699)–139; Quentovic (717)–13; Arras (747)–48; St-Denis (847)–4.

SOURCE: Gariel I, pp. 132 f.

REMAINS: Dispersed.

61. **York** (ca. 100 pieces).
Find: shortly before 1760.

Deposit: ca. 870.

Lothaire II

Indeterminate (1190).

SOURCE: NC 1957, pp. 199–201; Dolley-Morrison, "Finds," p. 78, no. 6.

REMAINS: Dispersed.

62. **Compiègne** (ca. 232 pieces). Find: 1877. Deposit: ca. 874.

Charles the Bald

Palace (625)–1, (628)–20; Dinant (651)–1; Namur (658)–1; Mouzon (695)–1; Ghent (704)–1; Thérouanne (712)–1; Quentovic (723)–29; Arras (740)–2; Amiens (759, 760)–2; St-Pierre (Corbie) (771)–1; St-Quentin (772)–6; Beauvais (784)–2; Compiègne (789)–5, (791)–2; Laon (794)–10, (798)–2; Soissons (806)–1; Rheims (814)–34, (816)–4; Attigny (817)–2; Paris (833)–19; St-Denis (847)–1; Meaux (852)–5, (853)–2; Jouarre (863)–1; Melun (864)–2; Rouen (871)–36; (873)–3; Evreux (879)–1; Lisieux (882)–1; Bayeux (887)–1; Le Mans (906)–2; Chartres (933)–4; Chateau Landon (951)–1; Troyes (954)–1; Bar-sur-Aube (972)–1; Le Mont Lassois (978)–1; Sens (984)–5, (986b)–2; Autun (1009)–1; Nantes (1047)–1; Indeterminate (1132)–1, (1137)–3, (1146)–1.

Louis II/III

Visé (1228)–1; Tours (1255)–1.

Mule

Obv.: +GRATIAD-IREX. Karolus monogram.

Rev.: +CAROLVSREX. Cross. Denarius. One exemplar.

Two totally garbled denarii.

SOURCE: Gariel I, pp. 85 f.

REMAINS: Dispersed.

63. **Beaumont** (perhaps 160 pises). Find: 1881. Deposit: ca. 875.
Available for study: 118 denarii, 10 oboli. Duhamel lists only the five oboli in his possession.

Charles the Bald

Palace (622)-1, (629)-1, (630)-1; Cambrai (669)-1; St-Géry (675)-1; Mouzon (691)-1; Quentovic (721)-1, (723)-1; Arras (742)-2; Amiens (758 and 760)-4; Corbie (770)-1; St-Quentin (772)-1; Laon (794)-7; Noyon? (804?)-1; Soissons (805)-6; Rheims (814)-14; Attigny (817)-1; Paris (833)-8; St-Denis (842)-1; Chelles (859?)-1; Melun (864)-1; Rouen (869)-1, (870, 871)-7; Le Talou (881)-1; Bayeux (888)-1; "Curtisassonien" (895)-11, (896)-1; Le Mans (905)-7; Tours (916)-1; Blois (923)-3; Chartres (935)-10; Orléans (948)-10; Chateau-Landon (951)-1; Nantes (1047)-1; Indeterminate (1148)-1.

SOURCE: Duhamel, "Considérations sur les monnaies carlovingiennes découvertes à Beaumont, commune de Chalo-Saint-Mard (Seine-et-Oise)." *Annales de la Société historique et Archéologique du Gâtinais*, 6 (1888), pp. 233-242. See also the article by Legrand in the inventory of the Etampes find.

REMAINS: Dispersed.

64. **Etampes** (ca. 221 pieces). Find: 1882. Deposit: ca. 875.

Charles the Bald

Palace (622)-1, (629)-2, (630)-1; Cambrai (671)-2; St-Géry (Cambrai) (675)-1; Mouzon (691)-2; Quentovic (723)-15, (724)-2; Arras (742, 752)-2; Amiens (760, 763)-11; St-Pierre (Corbie) (770)-2; St-Quentin (772)-2; Laon (794)-15; Soissons (805)-11; Rheims (814)-31; Attigny (817)-1; Paris (833)-15; St-Denis (843)-2; Chelles (859)-1; Melun (864)-1; Rouen (871)-17, (873)-1; Le Talou (881)-2; Lisieux (886)-1; Bayeux (888)-1; "Curtisassonien" (895)-24; (896)-2; Le Mans (905)-16; Angers (912)-1; Tours (916)-16; Blois (923)-4; Chartres (933)-17; Orléans (948)-17; Chateau-Landon (951)-1; Sens (984)-1; Nantes (1047)-1; Indeterminate (1124)-1, (1148)-1.

Carloman

Auxerre (1197)-1.

Louis II/III

Palace (1223)-1; Marsal (1243)-1; Tours (1255)-1.

Garbled

Obv.: +CRATIADIREX. Karolus monogram.

Rev.: +VIIATRITIVOV. Cross. Denarius. One exemplar.

SOURCE: Gariel I, pp. 84 f. (partial account); Legrand, "Deux trouvailles en une seule," *RN* 1916, pp. 173-180.

REMAINS: Dispersed.

65. **Laxfield** (ca. 9 pieces). Find: 1819. Deposit: ca. 875.

Charles the Bald

Nivelle (661)-1; Quentovic (718)-2; Laon (794)-1; Rouen (878)-1.

Coins in the Name of an Emperor Charles

St-Géry (Cambrai) (1445)-1.

Illegible temple types

2 denarii.

SOURCE: Note in Banks MSS in Department of Coins and Medals, British Museum; Dolley-Morrison, "Finds," p. 79, no. 11.

REMAINS: Dispersed.

66. **Roswinkel** (145 pieces). Find: 1870. Deposit: ca. 875.

Chalemagne

Milan (212)-1.

Louis the Pious

Indeterminate (472)-8, (484)-1, (490)-1.

Lothaire I

Dorestadt (522)-1, (525)-103; Indeterminate (561)-1, (590)-1.

Pippin I/II

Aquitaine (601)-1.

Charles the Bald

Auxerre (987)-1; Indeterminate (1123)-1.

Louis II/III

Visé (1227)-6.

Imitation of Louis the Pious

No. 515.

Mule

Obv.: +CAROLVSRER Cross.

Rev.: +CRATAD—IER Karolus monogram. Obolus. One exemplar.

One piece with totally garbled inscription.

SOURCE: Boeles, op. cit., pp. 66ff. Völckers, pp. 111, 188.

REMAINS: A portion of the deposit is preserved in the Royal Cabinet, The Hague, and in the Assen Museum.

67. **Arras** (ca. 497 pieces). Find: 1869. Deposit: ca. 880.

Charles the Bald

Palace (633)-25; Dinant (650)-1; Quentovic (723, 725)-4; Valenciennes (730)-1; Arras (747, 750)-184; Amiens (760)-5; St-Fursy (Amiens) (769)-1; St-Quentin (772)-7; Morienval (787)-1; Compiègne (789)-2; Laon (794)-17; Soissons (805)-9; St-Médard (Soissons) (811)-1; Rheims (814)-15; Paris (833)-7; St-Denis (843)-2; Meaux (852)-1; Rouen (867, 878)-7; "Curtisassonien" (895)-13; Le Mans (905)-8; Blois (927)-6; Chartres (936)-1; Orléans (948)-10; Chateau Landon (951)-1; LeMont Lassois (978, 979)-2; Sens (984, 986)-2; Auxerre (998)-1; Autun (1010)-1; Avallon (1015, 1018)-2; Langres (1020)-3; Dijon (1023)-2; Tonnerre (1029)-1; Chalon-sur-Saône (1034)-1; Rennes (1045)-1; Nantes (1047)-1; Bourges (1076)-3; Clermont (1078)-3; Indeterminate (1127)-1, (1132)-1, (1143)-1.

Louis II/III

Palace (1225).

Odo

Palace (1264, 1267)-2; Arras (1268, 1269)-16; Amiens (1270)-16; St-Pierre (Corbie) (1271)-7; St-Quentin (1274)-1; Paris (1283)-1; St-Denis (1286, 1287)-12.

Charles the Simple

Beauvais (1376)-18.

Coins in the name of an Emperor Charles

Tournai (1460)-1; Bourges (1482)-2.

SOURCE: Gariel I, pp. 107ff.

REMAINS: Dispersed.

68. **Avignon** (ca. 800 pieces). Find: 1822. Deposit: ca. 880.

Charles the Bald

Clermont (1078, 1083); Toulouse (1098).

Carloman

Substantione (1205); Arles (1209, 1211).

Coins in the name of an Emperor Charles

Béziers (1492, 1493); Arles (1499–1513); Indeterminate (1522, 1523).

Hybrid

Obv.: +CRINARIICIO. Cross.

Rev.: +CONSTANTIA. Temple. Denarius.

SOURCE: Gariel I, pp. 119f.

REMAINS: Dispersed.

69. **Bligny** ("une assez grande quantité de monnaies carolingiennes"). Find: 1855. Deposit: ca. 880.

Louis the Pious (?)

Aachen (329).

Charles the Bald

Palace (631)–2; Cambrai (672)–1; Verdun (683)–6, (687)–3; Quentovic (718)–1; Laon (795)–1; Rheims (814)–2; Châlons-sur-Marne (820)–1; Paris (833)–10; St-Denis (843)–1; Jouarre (861)–3; Rouen (878)–9, (879)–1; Bayeux (887)–2, (889)–2, (890)–3; "Curtisassonien" (895)–2; Le Mans (905)–1; Orléans (948)–2; Troyes (954)–1; Bar-sur-Aube (963, 964, 969, 970, 971, 972)–15; Le Mont Lassois (977)–4; Sens (984)–1; Dijon (1023)–2; Melle (1063)–6; Indeterminate (1143), (1149)–1.

Louis II/III

Metz (1241)–1; Marsal (1243)–1; Provins (1254)–1.

Coins in the name of an Emperor Charles

Verdun (1450)–1, (1458)–1.

Mule

Obv.: +HLVDVVICVS. Cross.

Rev.: +GRATIAD-IREX. Karolus monogram. Obolus. Two exemplars.

Two additional denarii and one obolus, totally illegible.

SOURCE: Gariel I, pp. 81 ff.

REMAINS: Dispersed.

70. **Bonnevaux** (ca. 6000 pieces). Find: 1854. Deposit: ca. 880.

Charles the Bald

Mouzon (693)–1; Thérouanne (712)–1; Quentovic (723)–1; Rheims (814)–1; Le Mans (905)–1; Blois (923)–1; Sens (984)–1;

Rennes (1045)-1; Melle (1060, 1061, 1063, 1064)-5000 denarii, 250 oboli; Toulouse (1099)-1, (1106)-1.

Carloman

Melle (1199)-1; Limoges (1201)-1, (1202)-1; Toulouse (1203)-1.

Odo

Limoges (1332)-?.

Coins in the name of an Emperor Charles

Bourges (1479)-19, (1480)-3; Arles (1499)-1.

Mule

Obv.: +PICTAVICIV. Cross.

Rev.: +MET+VLLO. Karolus monogram. Denarius. Three exemplars.

SOURCE: Gariel I, pp. 124 ff.

REMAINS: Dispersed.

71. **Bourgneuf** (ca. 1270 pieces). Find: 1893. Deposit: ca. 880?

Louis the Pious

Indeterminate (472)-25, (482)-15.

Charles the Bald

Palace (622)-1, (630)-2; Verdun (688)-1; Mouzon (695)-1; Ghent (704)-1; Quentovic (716)-3; Tournai (729)-2; Arras (742)-1; Laon (795)-1; Noyon (804)-1; Rheims (814)-5; Paris (833)-5; St-Denis (843)-4; Bayeux (887)-14; Deux-Jumeux (892)-1; Le Mans (905)-2; Troyes (954)-1, (957)-1; Bar-sur-Aube (973)-2; Sens (984)-2; Auxerre (999)-1; Avalon (1015)-1; Langres (1021)-1; Dijon (1023)-3; Tonnerre (1030)-2; Chalon-sur-Saône (1034)-2; Besançon (1040)-1; Rennes (1045)-900; Bruges (1071)-3; Clermont (1082)-1; Vienne (1109)-3; Indeterminate (1157)-ca. 199, (1165)-1.

Charles the Simple (?)

Orléans (1409)-9.

Coins in the name of an Emperor Charles

Chalon-sur-Saône (1472, 1477, 1478)-8; Arles (1499)-1.

SOURCE: P. Pinette, "Le trésor de Bourgneuf," *Bulletin numismatique française*, I (1897), pp. 43-53.

REMAINS: Dispersed.

72. **Chalon-sur-Saône I** (? pieces). Find: 1893. Deposit: ca. 880.

Charles the Bald

Palace (628); Mouzon (695); Laon (795); Rheims (814); Paris (833); St-Denis (843); Bayeux (887); Le Mans (905); Orléans (948); Troyes (954); Langres (1021); Dijon (1023); Rennes (1046); Bourges (1071); Vienne (1109).

Coins in the name of an Emperor Charles

Chalon-sur-Saône (1472).

SOURCE: *Annuaire de la Société française de numismatique*, 17 (1893), pp. 209f.; RN 1894, p. 129.

REMAINS: Dispersed.

73. **Chalon-sur-Saône II** (28 pieces).

Find: 1956.

Deposit: ca. 880?

Charles the Bald

Dijon (1023)–8; Chalon-sur-Saône (1034)–1; Rennes (1045)–10.

Coins in the name of an Emperor Charles

Indeterminate (1526)–2.

SOURCE: L. Armand-Cailliat, "Une cachette monétaire carolingienne trouvée à Chalon, rue des Cornillons," *Mémoires de la Société d'Histoire et d'Archéologie de Chalon-sur-Saône*, 34 (1957), pp. 88–94.

REMAINS: Dispersed.

74. **Gannat** (ca. 200 pieces). Find: 1867.

Deposit: ca. 880.

Charles the Bald

Bourges (1071); Clermont (1082, 1084).

Coins in the Name of an Emperor Charles

Nevers (1464); Bourges (1480, 1482).

Mule

Obv.: +BITVRIGESCIVIT. Cross.

Rev.: +BITVRIGESCIVIT. Karolus monogram. Denarius. One exemplar.

Gariel also registered a coin of Bourges with the GRATIAD–IREX obverse; but he himself commented that this reading was doubtful, as there were no other known exemplars of the type. Gariel was working from a partial and inexperienced inventory of the deposit; he did not see the coins themselves.

SOURCE: Gariel I, p. 118. RN 1867, pp. 316ff.; *Annuaire de la Société française de numismatique et d'archéologie*, 3 (1868), p. 373.

REMAINS: Dispersed.

75. **Glizy** (ca. 670 pieces). Find: 1865.

Deposit: ca. 880.

Charles the Bald

Palace (623, 624, 625, 628, 631, 634)–48; (630)–2; Maastricht (646)–3; Dinant (651)–1; Huy (655)–2; Namur (658)–1; Nivelles (659, 660)–4; Condé-sur-l'Escaut (668)–1; Cambrai (670)–3; St-Géry (Cambrai) (675)–2; Mouzon (695)–1; Bruges (698)–5; Ghent (704, 705)–2; Cassel (708)–1; Théroutanne (714)–1; Quentovic (716, 720)–131 (*denarii* and *oboli*); Valenciennes (731, 734)–3; Lens (736)–1; Arras (739, 748)–8; Amiens (759, 760, 765, 766, 767)–74 (*denarii* and *oboli*); St-Pierre (Corbie) (770)–1; St-Quentin (772, 773, 774, 778, 781)–27 (*denarii* and *oboli*); Beauvais (784)–1; Maurienval (786)–2; Compiègne (789, 791)–3; Noyon (802, 803)–2; Soissons (805, 809)–14; Attigny (817)–2; Châlons-sur-Marne (822)–2; Paris (833)–21; St-Denis (840, 841, 843, 844)–31; Meaux (852, 853)–3; Chelles (858, 859, 860)–3; Rouen (871)–35 (*denarii* and *oboli*); Bayeux (887)–3; "Curtisassonien" (895)–3, (901)–3; Le Mans (908)–7; Angers (912)–2; Tours (916)–1; Chartres (933)–1, (936)–9; Orléans (948, 949)–4; Chateau Landon (951)–4; Troyes (954)–2; Bar-sur-Aube (965)–3; Sens (984)–3, (986b)–1; Auxerre (992, 998, 999)–4 (*denarii* and *oboli*); Nevers (1007)–2; Autun (1009)–2; Avallon (1015)–1; Rennes (1045)–2; Indeterminate (1112)–1, (1122)–1, (1126)–1, (1128)–1, (1148)–4.

Louis II/III

Visé (1227)–1, (1230)–1; Marsal (1243)–1.

Charles the Simple

Rheims (1388, 1389)–39 (*denarii* and *oboli*).

Coins in the Name of an Emperor Charles

Mons (1444)–2; Tournai (1459)–1.

Illegible pieces

4 *denarii* and one *obolus*.

SOURCE: RBN 1870, pp. 417–439 (partial account); Gariel I, pp. 95ff.

REMAINS: Dispersed.

76. **Issy-l'Evêque** (70 pieces). Find: 1867. Deposit: ca. 880.

Charles the Bald

Lisieux (886); "Curtisassonien" (895); Le Mans (905); Bourges (1075).

Charles the Simple

St-Nazar (Autun) (1418).

Coins in the Name of an Emperor Charles

Nevers (1464).

SOURCE: *Annuaire de la Société française de numismatique et d'archéologie*, 3 (1868), p. 402.

REMAINS: Dispersed.

77. **Marsum** (ca. 35 pieces). Find: 1906. Deposit: ca. 880.

Louis the Pious

Indeterminate (472)–2.

Lothaire I

Dorestadt (525)–2.

Charles the Bald

Rheims (813)–1; Orléans (944)–1; Melle (1060)–1.

Coins in the name of an Emperor Charles

Indeterminate (1526, 1527)–2.

Mule

Obv.: +CAROVSRER. Cross.

Rev.: +CRAT IAD–R. Karolus monogram. Obolus. One exemplar.

Twenty imitations of Louis the Pious, no. 512.

SOURCE: Boeles, op. cit., pp. 94 ff.

REMAINS: Portions of the find are in the Frisian Museum (Leeuwarden), the Groningen Museum, and the Royal Cabinet in The Hague.

78. **Moulin-Gargot** (also "Huriel") (ca. 900 pieces).

Find: 1904.

Deposit: ca. 880.

Charles the Bald

Nevers (1004)–2; Bourges (1071)–200, (1072)–28, (1073), (1074)–4; Clermont (1080)–2, (1081)–1.

Coins in the name of an Emperor Charles

Nevers (1465)–9, (1466)–1, (1468); Bourges (1479)–604, (1480)–39, (1482), (1483), (1485), (1487)–600.

SOURCE: *RN* 1905, p. 88; F. Roger, in *Mémoires de la Société des Antiquaires du Centre*, 29 (1905), pp. 91–93; P. Gautier, in *Bulletin numismatique et sigillographique*, no. 25, pp. 352–354.

REMAINS: Dispersed.

79. **Saumur** (200 pieces). Find: 1856. Deposit: ca. 880.

Charles the Bald

Angers (912)–2; Tours (916)–2; Orléans (948)–2; Melle (1061)–1, (1063)–100.

Louis II–III

Tours (1255)–1.

Odo

Angers (1292)–56; Tours (1295)–26.

SOURCE: Gariel I, p. 128.

REMAINS: Dispersed.

80. **Saumeray** (57 denarii). Find: 1933. Deposit: ca. 880.

Charles the Bald

Lisieux (886)–1; “Curtisassonien” (895)–1; Le Mans (905 var.)–6; Angers (912)–1; Tours (916)–5; Blois (926)–4; Chartres (937)–2; Orléans (948 var.)–33; Rennes (1045)–1.

Louis II/III

Tours (1255 var.)–3.

SOURCE: Excellently published in J. Lafaurie, “Deux trésors monétaires carolingiens: Saumeray (Eure-et-Loir) Rennes (Ille-et-Vilaine).”

RN 1965, pp. 262–305.

REMAINS: Preserved in the collection of “Les Amis de Bonneval.”

81. **Savigné-sous-le-Lude** (? pieces).

Find: before 1899.

Deposit: ca. 880.

Charles the Bald

Le Mans (905, 906, 908); Tours (915, 916, 917); Blois (923, 928); Orléans (948).

Louis II/III

Tours (1255, 1256).

Charles the Simple (?)

Orléans (1409).

SOURCE: *Revue historique et archéologique du Maine*, 45, p. 202; *RN* 1915, p. 211.

REMAINS: Dispersed; formerly in the collection of the Comte de Castellane, who, in 1899, gave 38 or 39 pieces to the Cabinet des Médailles. Bibliothèque nationale (Paris).

82. **Yrond** (4 pieces). Find: 1842.

Deposit: ca. 880?

Charles the Bald

Clermont (1082)-4.

SOURCE: Gariel I, pp. 117 f.

REMAINS: Dispersed.

83. **Ablaincourt** (872 denarii, 30 oboli).

Find: 1957.

Deposit: ca. 890.

No further details available.

SOURCE: J. Lafaurie, "Deux trésors monétaires carolingiens: Saumeray (Eure-et-Loir) Rennes (Ille-et-Vilaine)." *RN* 1965, p. 271.

REMAINS: Under study by M. Lafaurie, at the Bibliothèque Nationale.

84. **ANS Find** (368 [+?] pieces).

Find: about 1960.

Deposit: ca. 890.

Provenance and date of discovery as yet undetermined. Provisionally, we have named the find for the Society which now owns it.

Charles the Bald

Palace (622)-1, (624)-2, (629)-15, (630)-1, (633)-9, (635)-4, (636)-1; Bavai (665)-1; Cambrai (669)-1, (671)-3, (672)-1; St-Géry (676)-1; Ham (679)-1; Verdun (689a)-1; Mouzon (695)-1; Bruges (698)-2; Quentovic (716)-8, (717)-1; Valenciennes (730)-1, (733)-1, (735)-1; Arras (740)-2, (743)-1, (744)-1, (750)-1; Amiens (756)-2, (758)-1, (760)-10, (765)-2, (767)-1; Peronne (768)-1; St-Quentin (772)-12, (776)-1, (777)-1, (779)-1, (781)-10, (783)-2; Beauvais (784a)-1; Maurienvall (787)-1; Compiègne (789)-5, (790)-2; Laon (794)-29, (798)-2; Noyon (802)-2, (804)-1; Soissons (805)-15; St-Médard (811)-2; Rheims (814)-51, (816)-1; Attigny (817)-1; Châlons-sur-Marne (822)-1; Paris (830)-9, (833)-1; St-Denis (841)-1, (843)-28, (847)-1; Meaux (853)-3; Chelles (857)-1, (858)-1; Jouarre (861)-2; Rouen (870)-1, (871)-2, (873)-1, (874)-4, (875)-11, (880)-2; Le Talou (881)-1; Lisieux (885)-1, (886)-2; Bayeux (887)-4; "Curtisassonien" (895)-4, (896)-1; Tours (916)-1; Blois (926)-1; Chartres (933)-2, (935)-1, (937)-1; Orléans (948)-5; Troyes (956)-2; Le Mont Lassois (976)-1, (977)-2; Sens (980)-1, (984)-2, (986)-1; Nevers (1007)-1; Chalon-sur-Saône (1035)-1; Rennes

(1045)-1; Melle (1063)-1; Bourges (1071)-2; Clermont (1078)-1; Roucy-sur-Aisne (1137)-4, (1141)-2, (1143)-11; St-Sebastien (1145)-2; Tongres (1148)-1.

Carloman

Troyes (1195)-1; Auxerre (1197)-3.

Louis II/III

Provins (1254)-1; Arras (1268)-1.

Odo

Rheims (1281)-1.

Charles the Simple

Beauvais (1375)-13, (1376)-1; Rheims (1389)-1.

Coins in the name of an Emperor Charles

Verdun (1451)-1, (1458)-1; Bourges (1479)-1.

One additional piece, illegible.

SOURCE: Unpublished.

REMAINS: 368 pieces in the ANS cabinet.

85. **Eichstetten** (40-100 pieces). Find: 1844. Deposit: ca. 890?

Charles the Simple

Strassburg (1348).

"Others."

SOURCE: Leitzmann, *Numismatische Zeitung* (1844), pp. 143 f.

REMAINS: Dispersed.

86. **Haute-Isle** (14 pieces). Find: ca. 1931. Deposit: ca. 890?

Louis the Pious

Indeterminate (472)-9.

Odo

Limoges (1334)-1.

Charles the Simple

Indeterminate (1425)-3.

SOURCE: RN 1931, p. 244.

REMAINS: Dispersed.

87. **Odoorn** (? pieces). Find: 1859-1860. Deposit: ca. 890.

Louis the German

Indeterminate (596)-1.

Charles the Bald

Indeterminate (1170).

Coins in the name of an Emperor Charles

Indeterminate (1526, 1531)–5.

Berengar I or II

XPISTIANA RELICIO—"quelques monnaies."

Guy of Spoleto

XPISTIANA RELICIO—"quelques monnaies."

Two dirhems struck between 846 and 861.

SOURCE: Boeles, op. cit., pp. 71 ff.

REMAINS: A portion of the deposit is preserved in the Royal Cabinet, The Hague.

88. **Courbanton I** (ca. 1200 pieces). Find: 1830.

The deposit was destroyed without record.

SOURCE: Gariel I, p. 86.

REMAINS: Dispersed.

89. **Courbanton II** (ca. 1200 pieces).

Find: 1840.

Deposit: ca. 890–900.

Charles the Bald

Valenciennes (730)–1; Noyon (804)–1; Paris (833)–1; Lisieux (886)–1; "Curtisassonien" (895)–1; Le Mans (905)–1; Tours (916)–1; Blois (927)–8; (928)–1; Chartres (933)–1; Chateaudun (943)–1; Orléans (948)–5; Auxerre (998)–1; Avallon (1016)–1; Bourges (1071)–1; Indeterminate (1129)–1.

Louis II/III

Tours (1255)–4, (1256)–2; Blois (1258)–1.

Odo

Paris (1283)–1; Angers (1291)–1; Tours (1298)–1, (1299)–13, (1300)–4; Blois (1311)–8, (1319)–1; Chartres (1315)–2; Chateaudun (1317)–1, (1319)–1, (1320)–1; Orléans (1321)–1, (1323)–12.

Charles the Simple

Angers (1408)–2.

Coins in the name of an Emperor Charles

Bourges (1485)–1.

SOURCE: Gariel I, pp. 87 ff.

REMAINS: Dispersed.

90. **Courbanton III** (659 pieces). Find: 1857. Deposit: 880–900.

Charles the Bald

Palace (624)–1, (629)–6; Cambrai (669)–1; Toul (680)–1; Théroutanne (713)–1; Quentovic (723)–1; Arras (743)–8; St-Quentin (781)–1; Compiègne (789)–2; Laon (794)–4; Noyon (804)–2; Soissons (805)–4; Rheims (814)–9; Attigny (817)–14; Châlons-sur-Marne (821)–1; Paris (833)–12; St-Denis (840)–9; Meaux (853)–2; Rouen (871)–8; Evreux (882)–1; Bayeux (887)–10; “Curtisassonien” (895)–14; Le Mans (905)–15; Tours (916)–32; Blois (923)–90; Chartres (933)–11; Chateau Landon (943)–2; Orléans (948, 951)–162; Troyes (957)–1; Sens (984)–1; Auxerre (998)–1, (999)–3; Nevers (1003)–1, (1007)–1; Avallon (1016)–4; Dijon (1025)–1; Nantes (1047)–1; Bourges (1071)–4; Clermont (1080)–1; Venice (1109)–2; Indeterminate (1124)–1, (1129)–1.

Louis II/III

Palace (1224)–1; Marsal (1243)–1; Tours (1255)–16; Blois (1258)–2; Troyes (1260)–2.

Odo

Angers (1291)–64; Tours (1295, 1302)–42; Blois (1311)–39; Chartres (1315)–2; Orléans (1321)–4, (1323)–45.

Charles the Simple

Angers (1408)–2.

Coins in the name of an Emperor Charles

St-Géry (Cambrai) (1445)–1; Bourges (1485)–1.

SOURCE: Gariel I, pp. 91 ff.

REMAINS: Dispersed.

91. **Assen** (17 pieces). Find: before 1818. Deposit: ca. 900.

Louis the Pious

Indeterminate (472)–2, (496)–1.

Lothaire I

Dorestadt (522)–2.

Coins in the name of an Emperor Charles

Verdun (1449)–1; Indeterminate (1531)–8.

Louis the Child

Strassburg (1553, 1556)–2.

SOURCE: Boeles, op. cit., pp. 74 ff.

REMAINS: Dispersed.

- 92.
- Langres**
- (9 + pieces). Find: 1880.

Deposit: ca. 900.

Charles the Bald

Langres (1021)–1.

Charles the Simple

Indeterminate (1438)–7.

Berengar I or II

XPISTIANA RELICIO–1.

SOURCE: Gariel I, pp. 131 f.

REMAINS: Dispersed.

- 93.
- Midlum**
- (ca. 201 pieces). Find: 1911.

Deposit: ca. 900.

Louis the Child

Strassburg (1552)–200.

Berengar I or II

XPISTIANA RELIGIO–1.

SOURCE: Boeles, op. cit., pp. 53 ff.

REMAINS: A portion of the deposit is preserved in the Frisian Museum (Leeuwarden).

- 94.
- Pingjum**
- (ca. 680 pieces). Find: 1868.

Deposit: ca. 900.

Louis the Child

Strassburg (1550)–ca. 680.

SOURCE: Boeles, op. cit., pp. 56 ff.

REMAINS: A portion of the deposit is preserved in the Frisian Museum (Leeuwarden).

- 95.
- Roches-l'Evêque**
- (“un trésor assez considerable”).

Find: “some years” before 1838.

Deposit: ca. 900.

Louis the Pious

Indeterminate (472).

Charles the Bald

Blois (923, 924); Orléans (948).

Odo

Blois (1311).

Charles the Simple

Indeterminate (1434).

SOURCE: RN 1838, pp. 63 f.

REMAINS: Dispersed.

96. **Troyes (Anglure)** (1910) (242 denarii, 9 oboli).

Find: ca. 1910.

Deposit: ca. 900?

Charles the Bald

St-Pierre (Corbie) (770).

Carloman

Troyes (1195).

Charles the Simple

Metz (1359).

Louis the Child

Namur (1562).

The find has never been adequately described.

SOURCE: The Comte de Castellane, "Le monnayage de Corbie," RN 1916, pp. 194 f.; "Le denier messin de Charles le Chauve," RN 1910, p. 194; "A propos d'un denier inédit de Louis le Begue frappé à Namur," *Memoires du Congrès internationale de numismatique* (Brussels, 1910), p. 293.

REMAINS: Dispersed, formerly in the collection of the Comte de Castellane.

97. **Ter Apel** (? pieces). Find: before 1823. Deposit: after 900.*Louis the Child*

Strassburg (1550).

SOURCE: Boeles, op. cit., p. 77.

REMAINS: Dispersed.

98. **Cuerdale** (ca. 7000 pieces, 1047 + Carolingian pieces).

Find: 1840.

Deposit: ca. 903.

Charles the Bald

Cambrai (671)-1; Bruges (699)-2; Quentovic (716)-1; Arras (744)-4; Laon (794)-2; Noyon (804)-1; Soissons (805)-2; Paris (831)-1; (835)-1, St-Denis (843)-1; Evreux (882)-1; "Curtisassonien" (895)-1; Le Mans (905)-1, (906, 907, 909, 910)-52; Angers (912)-2; Tours (915)-1; Blois (923)-3; Chartres (935)-2; Orléans (948)-12; Sens (984)-1; Nevers (1007)-1; Nantes (1047)-1; Melle (1061, 1063, 1064)-561; Clermont (1083)-6; Indeterminate (1132)-1.

Carloman

Limoges (1201)–7.

Louis II/III

Namur (1236)–1; Tours (1255)–3.

Odo

Compiègne (1275)–1; Laon (1276)–1; Angers (1291, 1292)–3; Tours (1295, 1296, 1297, 1298)–3; Blois (1309, 1311)–3; Orléans (1323)–1; Limoges (1332, 1333)–119; Toulouse (1336)–7, (1341)–3.

Charles the Simple

Metz (1359)–1; St-Omer (1369)–1; Beauvais (1375)–1; Quentovic (1372)–1; Limoges (1421)–4; Indeterminate (1428)–1, (1433)–1.

Coins in the name of an Emperor Charles

Metz (1447/8)–2; Nevers (1464, 1470)–2; Bourges (1480)–17; Toulouse (1488)–1.

Louis the Child

Mainz (1546)–1; Würzburg (1549)–1; Strassburg (1550)–14; Namur (1563)–1.

Hybrid

- a) *Obv.*: +CONSTANTIACIV. Cross with one dot in each corner.
Rev.: XPISTIANAREIIICIO. Temple. Broad-flan denarius. One exemplar.
- b) *Obv.*: +BITVRICESCIVIT. Cross.
Rev.: +BITVRICESCIVITA. Cross. Denarius. One exemplar (cf. cat. 1084).

The continental portion of the deposit also contained one coin of Louis the Blind and Benedict IV (Gariel LXIII, 5), and XPISTIANA RELIGIO issues of Bergenar I or II, Guy of Spoleto, and Lambert.

SOURCE: R. H. M. Dolley, ed., *Anglo-Saxon Coins* (London, 1961), pp. 96–121; MS listing of the find in the Duchy of Lancaster archives (photostat in the Department of Coins and Medals, British Museum); G. Galster, "Cuerdale-Fundet og de Danske Vikingekonger i det 9. Århundrede," *Aarbøger for Nordisk Oldkyndighed og Historie* (1962), offprint, pp. 1–36, with summary in English; Dolley-Morrison, "Finds," pp. 80ff., no. 13.

REMAINS: Dispersed. Representative pieces of each type are preserved in the British Museum, and other coins identifiable as ex Cuerdale are in the collections mentioned in Dolley-Morrison, "Finds," p. 81.

99. **Ilanz I** ("mehere Hundert"). Find: 1811. Deposit: ca. 910?

Charles the Bald (or Charles the Simple?)

Indeterminate (1168).

Carloman

Indeterminate (1219).

Louis the Blind (?)

Type of Louis the Pious, Indeterminate (472).

The deposit also included Pavian and Milanese issues of Berengar I or II, and XPISTIANA RELICIO issues of Lambert of Spoleto.

SOURCE: Jecklin, op. cit., pp. 79 ff.; *ArchJ.* 1847, pp. 74f.

REMAINS: Dispersed.

100. **Freiburg i. B.** (ca. 20 pieces).

Find: ca. 1844.

Deposit: ca. 920.

Charles the Simple

Strassburg (1348).

SOURCE: *RBN* 1846, p. 79.

REMAINS: Dispersed.

101. **Jouaye-Mondaye** (800–900 pieces).

Find: 1870.

Deposit: ca. 920.

Charles the Bald

Bayeux (887)–21; "Curtisassonien" (895)–700, (896)–4; Le Mans (905)–88; Angers (912)–4; Blois (923)–2; Chartres (935)–5; Orléans (948)–12; Châteaudum (925)–1; Rennes (1046)–1.

Charles the Simple

Paris (1391)–13; St-Denis (1396)–9.

One unstruck flan.

SOURCE: L. Doucet, "Notice sur une découverte faite à Juaye-Mondaye, en 1870, de monnaies carolingiennes," *Mémoires de la Société d'agriculture, science, arts et belle-lettres de Bayeux*, 9 (1879/82), pp. 215–258; J. Lafaurie, "Deux trésors monétaires carolingiens: Saumeray (Eure-et-Loir) Rennes (Ille-et-Vilaine)," *RN* 1965, pp. 262–305 (data vary from those in Doucet's account).

REMAINS: Dispersed.

102. Rennes (132 denarii, 4 oboli known).

Find: 1964.

Deposit: ca. 920.

Charles the Bald

Soissons (805)–1, (806)–1; Rheims? (814?)–1; “Curtisassonien” (895)–1; Le Mans (905 var.)–12; Tours (916 var.)–35; Blois (923 var.)–1, (924 var.)–1; Chartres (937)–1, (938)–1; Châteaudun (942)–1; Orléans (948 var.)–25, (949)–1; Rennes (1045 var.)–23.

Louis II/III (Louis the Child?)

Metz (1242)–1.

Odo

Tours (1304 var.)–3; Bourges (1328)–1.

Charles the Simple

Toul (1365)–1; Senlis (1370)–1; St-Denis (1396)–1.

Coins in the name of an Emperor Charles

Nevers (1464)–1; Bourges (1481)–2, (1485)–12, (1486)–3.

There were, in addition: 1 coin of William II, Count of Auvergne, from the mint of Brioude, 1 coin of Berengar from the mint of Pavia, and three Anglo-Saxon pennies.

SOURCE: Excellently published in J. Lafaurie, “Deux trésors monétaires carolingiens: Saumeray (Eure-et-Loir) Rennes (Ille-et-Vilaine),” *RN* 1965, pp. 262–305.

REMAINS: Museum of Rennes.

103. Evreux (ca. 143 pieces). Find: 1869, perhaps same deposit as Evreux (St. Taurin). Deposit: ca. 923–936.*Louis the Pious*

Indeterminate (472).

Charles the Bald

Paris (833); Le Mans (905); Angers (912); Tours (917); Blois (923); Chartres (933, 936); Orléans (948).

Odo

Tours (1307); Chateaudun (1317).

Charles the Simple

Rheims (1385, 1386); Paris (1391); Beaugency (1401); Le Mans (1404); Angers (1408).

Coins in the name of an Emperor Charles

Bourges (1479).

Rudolf

St-Denis (1586), (1587).

SOURCE: Gariel I, pp. 128 ff., repeating A. Longpérier in *RN* 1869/70, pp. 71–85, but the accounts vary.

REMAINS: Dispersed.

104. **Evreux (St-Taurin)** (150 pieces). Find: 1869, perhaps a part of the Evreux find. Deposit: ca. 923–936.

Louis the Pious

Indeterminate (472).

Charles the Bald

Rouen (878); Le Mans (905); Blois (929); Chateaudun (942); Orléans (948).

Charles the Simple

Beaugency (1401); Indeterminate (1434).

Coins in the name of an Emperor Charles

Bourges (1479).

Louis IV

Rouen (1625, 1626, 1627, 1628, 1630).

SOURCE: Gariel I, pp. 128 ff., repeating A. Longpérier in *RN* 1869/70, pp. 71–85, but the accounts vary.

REMAINS: Dispersed.

105. **Strassburg-Basel** (ca. 30 pieces).

Find: 1858.

Deposit: ca. 930.

Denarii of Charles the Simple and Louis IV.

SOURCE: *RBN* 1860, p. 79.

REMAINS: Dispersed.

106. **Hoard of the Holy Family** (170 pieces).

Find: 1950.

Deposit: ca. 930.

Louis the Pious

Indeterminate (472)–5.

Coins in the name of an Emperor Charles

Chalon-sur-Saône (?) (1472)–1; Toulouse (1488)–1.

Garbled

Obv.: ΓARIETAN. Cross.

Rev.: +ARELACIVITAS. Karolus monogram. Denarius. One exemplar.

The bulk of the deposit consisted of dirhems.

SOURCE: S. de los Santos Jener, "Monedas carolingias en un tesorillo de dirhems del emirato Cordobos," *Numario Hispanico*, 5 (1956), pp. 79–87.

REMAINS: Dispersed. ?

107. **Bruères** (ca. 300 pieces). Find: 1904. Deposit: ca. 940.

Charles the Bald (probably *Charles the Simple*)

Le Mans (905)–1.

Louis IV

Nevers (1634, 1635)–37 *denarii*.

Lothaire

Bourges (1667, 1670, 1671)–98 *denarii*, 79 *oboli*.

SOURCE: RN 1905, p. 506; D. Mater, in *Bulletin numismatique et sigillographique*, no. 23 (Bourges, 1905) pp. 110–114 (*Mémoires de la Société des Antiquaires du Centre*, 28 [1904], pp. 290–294).

REMAINS: Dispersed.

108. **Castel Sarrasin** ("un grand nombre de monnaies d'argent").

Find: 1846 (?).

Odo

Toulouse (1341).

SOURCE: Gariel I, pp. 127 f.

REMAINS: Dispersed.

109. **Chateauneuf-sur-Cher** (800 + pieces).

Find: 1851.

Deposit: ca. 940.

Charles the Bald

Auxerre (995)–10; Melle (1057)–266, (1063)–3; Bourges (1071)–15.

Odo

Limoges (1332)–10.

Louis IV

Nevers (1633)–24.

Lothaire

Bourges (1672)–264, (1673)–4.

The deposit was adulterated with an admixture of much later feudal pieces, and its exact contents are therefore open to question.

SOURCE: Gariel I, pp. 153 f.

REMAINS: Dispersed.

110. **Charabotte** (4 pieces). Find: 1950. Deposit: ca. 940.

Louis IV

Lyon (1644)–4.

SOURCE: *RN* 1950, p. 152; *Bulletin de la Société française de numismatique* (Feb., 1951), p. 12; (June, 1951), p. 6.

REMAINS: Dispersed.

111. **Coudre** (? pieces). Find: before 1869. Deposit: ca. 940.

Charles the Bald (in this context, Charles the Simple)

Chinon (922).

There were also some coins of Louis IV in the deposit, but they are not described.

SOURCE: Gariel I, pp. 133 f.

REMAINS: Dispersed.

112. **Rome** (520 pieces). Find: after 1920. Deposit: ca. 940.

Charles the Simple

Cologne (1352)–4.

Louis the Child

Cologne (1560)–2.

The deposit also contained two denarii of Rudolf of Burgundy (Pavia); the predominant content was Anglo-Saxon, particularly coins of Edward the Elder (900–924). Miss Mary Anne O'Donovan is preparing a study of the find.

SOURCE: M. A. O'Donovan, "The Vatican Hoard of Anglo-Saxon Pennies," *BNJ* 1964, pp. 7–29.

REMAINS: One coin of each ruler is in the British Museum.

113. **Terslev** (8 pieces). Find: 1911. Deposit: ca. 960?

Louis the Pious

Indeterminate (472)–2.

Charles the Bald

Quentovic (723)–I.

Charles the Simple

Cologne (1353).

Louis the Child

Strassburg (1550)–I; Cologne (1559)–I.

There were, in addition, one example of Prou 394 (a hybrid), and one XPISTIANA RELIGIO issue of Berengar I/II.

SOURCE: Skaare, op. cit., p. 113; G. Galster, *Coins and History* (Copenhagen, 1959), pp. 68, 71, 73, 74, 76.

REMAINS: Portions of the deposit are preserved in the Royal Cabinet, Copenhagen.

114. Dalen (29 pieces). Find: 1877.

Deposit: ca. 960.

Charles the Simple

Cologne (1352)–I.

Louis the Child

Strassburg (1550)–2; Cologne (1558)–3, (1559)–7.

Arnulf

“trois deniers frappés à Cologne” (?).

Otto I

Cologne–13 denarii.

SOURCE: Boeles, op. cit., pp. 77 ff.

REMAINS: Entire deposit preserved in the Provinciaal Museum van Drenthe, Assen.

115. Metz (15 pieces). Find: 1873.

Deposit: ca. 960?

Charles the Simple

Metz (1359)–7.

Mule

Obv.: +OTTOREX. Cross.

Rev.: +CRATIAII–IIIX. Karolus monogram. Denarius. Eight exemplars.

SOURCE: Gariel I, p. 157.

REMAINS: Dispersed.

116. Fécamp (7,700 + pieces). Find: 1963.

Deposit: ca. 977.

This extraordinarily large deposit, unearthed as the present book was closed, is presently being closely studied by M. J.

Lafaurie, of the Bibliothèque Nationale and, I am informed, it is consequently not available for inspection by other scholars. In a letter to Mr. R. H. M. Dolley, dated 9 January, 1964, M. Lafaurie gave the following interim report of the deposit's contents:

"Nous avons actuellement au Cabinet des Médailles 7,700 pièces, mais il doit en manquer environ 3 à 4.000. Il y a environ:

Rouen: 5.000

Le Mans: 1.240

Quentovic: 500

Le reste est constitué par des deniers d'ateliers divers.

Monnaies anglaises:

Edgard: NAMANNO, 1

Edouard le Martyr: Gunstan—NA, 1

Leofrie—LIMN, 1

Aedelstan—IMEN, 1

Imitations continentales (?) de penny d'Edgard au nom d'Eadmund: 2

Total: 6

Je pense que le trésor a été enfoué vers 980/985."

Happily, we are able to supplement this report, particularly with regard to the dating and to the "ateliers divers." Mr. Dolley, drawing upon his unequalled knowledge of the Anglo-Saxon series, suggests that the English content indicates 977 + or — 2 years as the date of deposit. And M. de Bouard published a helpful analysis of the portion of the find available to him soon after the discovery. (In *Annales de Normandie*, 13 [1963], pp. 146–148. I am under a heavy obligation to Mr. Dolley and to Mr. Peter Sawyer for providing me with a copy of this report for study.)

M. de Bouard reports that the find was unearthed in two pots, and that, of the original deposit, he had in hand 4,400 pieces for swift perusal. He estimates that perhaps 4/5 of the find were issues of Richard I of Normandy from the mint of Rouen, and that about 10 percent were issues of Richard from Le Mans. He observed no Islamic coins, and he does not mention

the Anglo-Saxon pieces reported in M. Lafaurie's letter. He continues: "Puis viennent, beaucoup plus rares, des pièces émises par un grand nombre d'ateliers, à travers le royaume; j'ai noté au passage: Angoulême, Limoges, Melle, Chinon, Châteaudun, Tours, Orléans, Bourges, Nevers, Mâcon, Langres, Arras. Il s'agit, dans tous les cas, d'immobilisation d'un type carolingien, conservé par le comte ou le vicomte qui, dans la seconde moitié du Xe siècle, exploite l'atelier monétaire: Le type remonte souvent au monnayage de Louis IV d'Outremer, parfois à celui de Lothaire, ou d'Eudes, ou même (dans le cas de Melle) de Charles le Chauve."

We await with great eagerness the publication of this find by M. Lafaurie, and the illumination it is certain to cast upon such dark questions as the linkage between Normandy and England and between Normandy and other parts of France, the metallic content of later Carolingian issues, and the immobilisation of types.

REMAINS: Dispersed and partially reassembled for study in the Cabinet des Médailles, Bibliothèque Nationale, Paris.

117. Place Unknown (at least 13 pieces).

Lothaire of France

Bordeaux (1682)–12, (1682a)–1.

SOURCE: E. Caron, *Monnaies féodales françaises*, nos. 220–222; C. Higou-net, *Bordeaux pendant le haut moyen âge* (Bordeaux, 1963), p. 233.

REMAINS: ?

118. Chartres (? pieces).

Deposit: ca. 1000.

Raoul

Chartres (1592, 1593); Châteaudun (?) (1594); Orléans (1595);

Indeterminate (1613).

Thibaut le Tricheur

2 denarii.

"Others."

SOURCE: Gariel I, pp. 134 ff.

REMAINS: Dispersed.

119. Lisówiek (14 pieces).

Deposit: after 1011?

Charles the Bald

Not described–1; Bruges (698)–12.

Charles the Simple

Cologne (1352)–I.

SOURCE: T. Kiersnowska, "Monnaies carolingiennes sur les terres slaves," *Wiadomości Numismatyczne (Polish Numismatic News)*, V (1961. Special issue for Numismatic Congress in Rome, 11–16 September, 1961), p. 96, no. 21.

REMAINS: ?

120. **"Spain"** (? pieces). Find: 1869. Deposit: ca. 1066.

There is no adequate record of this deposit. It is said to have consisted principally of Islamic pieces, with an admixture of twenty Carolingian coins representing Charles the Fat (Toulouse, Bourges, and Nevers), Odo (Limoges), Charles the Simple (Melle, denarii and oboli), Lothaire (Quentovic), Raoul (Le Puy?), and William of Brioude.

SOURCE: Gariel I, p. 136; E. Caron, *Monnaies féodales françaises* (Paris, 1882), pp. 115f.

REMAINS: Dispersed.

The following deposits are so imperfectly described that they cannot be placed in approximate chronological order.

121. A deposit of about 1500 pieces unearthed in 1852.

Five hundred of the pieces bore the legend "Curtisasonien," and others were issues of Bourges, Nevers, and St. Nazaire of Autun. One coin was in the name of Carloman (?), and one bore what was understood to be a monogram of Rodulfus.

SOURCE: Charvet in *RBN* 1870, p. 423.

REMAINS: ?

122. A deposit of 1200 pieces containing issues of Bayeaux, Rouen, Evreux, Le Mans, Chartres, Angers, Tours, Orléans, Blois, Laon, Paris, St. Denis, Amiens, Beauvais, St. Quentin, and Soissons.

SOURCE: Charvet, op. cit., p. 424. Charvet here reported that he had purchased the find.

REMAINS: ?

123. **Rome** (? pieces). Find: 1830.

The composition of this find was far from coeval, and, indeed, the following description raises the doubt that a single deposit of this nature ever existed.

"Uno ne fu dissotterrato, se ben mel ricordo, nel 1830, forse anche più récco e copioso di quello di cui ora si ragiona, ma

senza dubbio di più antica data, parciocchè nella piccolissima parte di esso che non è statu distrutta, io ho veduti denari di Offa rè della Mercia, dei due Pipini, cioè, e' dell' Aquitania, e di parecchi altri principi, e città della Francia e dell' Inghilterra, propri dei due secoli nono e decimo, ma fra questi non mancavano monete pontificie di que' tempi medesimi."

SOURCE: Giulio di San Quintino, "Monete del X e del XI Secolo scoperte nei diretorni di Roma nel 1843," *Memoria della Reale Accademia della Scienze di Torino*, ser. II, vol. 9/10 (1849), p. 7, as cited in C. E. Blunt and R. H. M. Dolley, "The Anglo-Saxon Coins in the Vatican Library," *British Numismatic Journal*, 28 (1958), p. 457, n. 1.

REMAINS: ?

124. San Paolo fuori le Mure (ca. 1000 pieces). Find: 1843.

Louis IV

Nevers (1634, 1635)–6.

This deposit was a devotional offering consisting of coins from several kingdoms and from widely separated periods, and consequently it cannot be considered a conventional find. The Carolingian content is a very small part of the total find.

SOURCE: Gariel I, pp. 154 f.

REMAINS: Dispersed.

125. Labeaume (? pieces). Find: 1905.

"Dans la commune de Labeaume, au-dessus de la route de Ruoms à Largentière (Ardeche), dans une carrière, on a trouvé un grand vase renfermant de nombreux deniers carolingiens."

SOURCE: *RN* 1905, pp. 406 f.

REMAINS: ?

126. Poitiers (? pieces). Find: before 1943.

"M. Prieur présente une obole de Louis le Pieux frappée à Toulouse. Cette pièce inédite provient d'une trouvaille faite aux environs de Poitiers." (cf. *Catalogue*, 419).

SOURCE: *RN* 1945, p. v.

REMAINS: ?

127. Verdun (? pieces).

Verdun (1449–1453).

SOURCE: Prou, catalogue numbers indicated.

REMAINS: ?

128. Holtland (24 pieces). Find: 1891.

Carolingian denarii or Frisian imitations of Louis the Pious (469).

SOURCE: P. Berghaus, *Währungsgrenzen des westfälischen Oberwesergebietes im Spätmittelalter* (Hamburg, 1952), p. 32.64; P. Berghaus, "Die ostfriesischen Münzfunde," *Friesisches Jahrbuch* (1958), p. 47, no. 21.

REMAINS: Dispersed.

129. **Blätz** (1000 + pieces). Find: 1903.

The source indicates only that 1000 denarii (not necessarily Carolingian), were unearthed at Blätz; it gives no further information.

SOURCE: *Der Numismatiker* (1903), p. 54.

REMAINS: Dispersed.

MINOR FINDS

Deposits of three or fewer Carolingian denarii, or deposits in which Carolingian coins occur only as sports, are considered minor finds. The following list is arranged broadly according to region, within each region, according to the probable chronological order of deposit, or, when that order is completely obscure, according to the arrangement of the catalogue.

FRANCE

130. **Rheims** (1 piece).

Deposit: after 751.

Pippin

Rheims (15)–1.

SOURCE: Völckers, pp. 64, 152.

REMAINS: Staatliche Münzsammlung, Berlin.

131. **Chartres** (1 piece). Find: before 1840.

Deposit: after 751.

Pippin

Chartres (17)–1.

SOURCE: Völckers, pp. 62, 151.

REMAINS: Staatliche Münzsammlung, Berlin (?).

132. **"Loire-Inférieure"** (1 piece).

Deposit: after 751.

Pippin

St. Martin (Tours) (20)–1.

SOURCE: Völckers, pp. 66, 152.

REMAINS: ?

133. **Verdun** (1 piece). Find: 1876. Deposit: after 751.

Pippin

Indeterminate (52)–I.

SOURCE: Völckers, pp. 63, 151.

REMAINS: Staatliche Münzsammlung, Berlin.

134. **Josselin** (1 piece). Deposit: after 751.

Pippin

Indeterminate (41)–I.

SOURCE: Völckers, pp. 64, 152.

REMAINS: ?

135. **Lyon I** (1 piece). Deposit: after 751.

Pippin

Indeterminate (61)–I.

SOURCE: Völckers, pp. 63, 151.

REMAINS: Staatliche Münzsammlung, Berlin.

136. **Lyon II** (1 piece). Find: ca. 1846. Deposit: after 751.

Carloman

Lyon (87)–I.

SOURCE: Völckers, pp. 69, 153.

REMAINS: ?

137. **Château de Bréaux-sous-Nappe** (1 piece).
Find: 1879. Deposit: after 751.

Charlemagne

Indeterminate (266)–I.

SOURCE: Völckers, pp. 101, 180.

REMAINS: ?

138. **Tours** (1 piece). Find: 1860. Deposit: after 751.

Charlemagne

Indeterminate (271)–I.

SOURCE: Völckers, pp. 102, 180.

REMAINS: ?

139. **Tournai** (1 piece). Find: before 1857. Deposit: after 790.

Charlemagne

Indeterminate (311)–I.

SOURCE: Völckers, pp. 113, 188.

REMAINS: ?

140. **St-Quentin** (1 piece). Find: before 1892. Deposit: after 814.

Louis the Pious

Trier (344).

SOURCE: *Bulletin de numismatique et d'archéologie*, II (1892/3), pp. 169f.

REMAINS: ?

141. **La Chaussée** (1 piece). Find: 1886 (?). Deposit: after 814.

Louis the Pious

Indeterminate (474).

SOURCE: *Bulletin numismatique*, 13 (*Mémoires de la Société des Antiquaires du Centre*, 14 [1887], pp. 333f.).

REMAINS: ?

142. **Ordonnac** (1 piece). Deposit: after 814.

Louis the Pious

"Pièce d'or de Louis le Pieux" (511 or imitation?).

SOURCE: F. Jouannet, *Statistique du département de la Gironde*, II (Paris, 1839), p. 183; C. Higounet, *Bordeaux pendant le haut moyen âge* (Bordeaux, 1963), p. 318.

REMAINS: ?

143. **St-Vincent-sur-Craon** (1 piece).

Find: ca. 1882.

Deposit: after 814.

Louis the Pious

Indeterminate (515).

SOURCE: *Bulletin mensuel de numismatique et d'archéologie*, 2 (1882/3), p. 91.

REMAINS: ?

144. **Saint-Pétronille-de-Gironde (near Réole)** (1 piece?)

Find: 1886.

Deposit: ca. 840?

Pippin I/II

Toulouse (616?)

SOURCE: C.-L. Grellet-Balguerie, *Bulletin de la Société des Antiquaires de France* (1887), p. 205.

REMAINS: ?

145. **Saint-Emilion I** (? pieces)

Deposit: ca. 840?

Jouannet: "Quelques tiers de sous d'or de Pépin."

Higounet: "Il s'agit dans doute de deniers de Pépin d'Aquitaine, en argent."

The coins may well have been gilded.

SOURCE: F. Jouannet, *Statistique du département de la Gironde*, I (Paris, 1839), p. 259; C. Higounet, *Bordeaux pendant le haut moyen âge* (Bordeaux, 1963), p. 319.

REMAINS: ?

146. **Bourges** (3 pieces ?). Find: 1887 (?). Deposit: ca. 840?

Charles the Bald

Bourges (1069)–3.

SOURCE: *Bulletin numismatique*, 13 (*Mémoires de la Société des Antiquaires du Centre*, 14 [1887], pp. 329–333).

REMAINS: ?

147. **Toulouse** (1 piece). Find: ca. 1883. Deposit: ca. 840?

Charles the Bald

Toulouse (1100).

SOURCE: *Bulletin mensuel de numismatique et d'archéologie*, 3 (1883/4), p. 33.

REMAINS: ?

148. **Alésia** (1 piece). Find: 1915. Deposit: after 864.

Charles the Bald

Besançon (1040)–1.

SOURCE: *Bulletin de la Société nationale des Antiquaires de France*, 75 (1915), p. 213; *RN* 1916, p. 303.

REMAINS: ?

149. **Bourges** (1 piece). Find: 1931. Deposit: ca. 880.

Coins in the name of an Emperor Charles

Bourges (1479).

SOURCE: *Mémoires de la Société historique, littéraire et scientifique du Cher*, ser. IV, vol. 38 (1932), p. 126.

REMAINS: ?

150. **La Réole VI** (30 pieces). Deposit: early 11th century.

Louis the Pious

Indeterminate (472)–1; Angoulême, *type immobilisé* (?)–2.

William of Aquitaine (?)

27 denarii.

SOURCE: *RN* 1842, p. 363; C. Higounet, *Bordeaux pendant le haut moyen âge* (Bordeaux, 1963), p. 319.

REMAINS: ?

GERMANY

151. **Trier I** (1 piece). Deposit: after 751.
Pippin
 Trier (3)–I.
 SOURCE: Völckers, pp. 66, 152.
 REMAINS: Landesmuseum Trier.
152. **Trier III** (1 piece). Find: 1855. Deposit: after 751.
Pippin
 Trier (6)–I.
 SOURCE: Völckers, pp. 67, 153.
 REMAINS: Landesmuseum Trier.
153. **Trier II** (1 piece). Deposit: after 751.
Pippin
 Trier (7)–I.
 SOURCE: Völckers, pp. 67, 153.
 REMAINS: ?
154. **Bonn** (1 piece). Find: 1929/30? Deposit: after 751.
Pippin
 Indeterminate (40)–I.
 SOURCE: Völckers, pp. 61, 150.
 REMAINS: Landesmuseum Bonn.
155. **Bonn** (1 piece). Find: 1929/30? Deposit: after 751.
Pippin
 Indeterminate (42)–I.
 SOURCE: Völckers, pp. 61, 150.
 REMAINS: Landesmuseum Bonn.
156. **Bonn** (1 piece). Find: 1929/30? Deposit: after 751.
Charlemagne
 Indeterminate (226)–I.
 SOURCE: Völckers, pp. 61, 150.
 REMAINS: Landesmuseum Bonn.
157. **Erdmannhausen** (1 piece). Deposit: after 751.
 Find: 1920/21.
Charlemagne
 Indeterminate (262)–I.
 SOURCE: Völckers, pp. 100, 179.
 REMAINS: Landesmuseum Württemberg.

158. **Lorsch** (1 piece). Find: 1932/33. Deposit: after 751.
Charlemagne
 Indeterminate (265)–1.
 SOURCE: Völckers, pp. 98, 179.
 REMAINS: ?
159. **Trier IV** (1 piece). Deposit: after 751.
Charlemagne
 Indeterminate (294)–1.
 SOURCE: Völckers, pp. 102, 181.
 REMAINS: Staatliche Münzsammlung, Berlin.
160. **Lorenzberg bei Epfach** (1 piece).
 Find: 1957. Deposit: ca. 761.
Carloman
 Indeterminate (85).
 SOURCE and REMAINS: Holdings of the Prähistorische Sammlung, München. Völckers, pp. 69, 153.
161. **Haitabu** (2 pieces). Find: 1907.
Charlemagne
 Dorestadt (or Dorestadt imitations) (99)–2.
 SOURCE: *Jahrbuch der Frankfurter Numismatischen Gesellschaft*, 1924, p. 31.
 REMAINS: ?
162. **Haitabu** (1 piece).
Charlemagne
 Dorestadt (or Dorestadt imitation) (99)–1.
 SOURCE: *Jahrbuch der Frankfurter Numismatischen Gesellschaft*, 1925, p. 31.
 REMAINS: ?
163. **Prerow-Darss** (72 pieces, including fragments). Find: 1873.
Charlemagne
 Dorestadt (or Dorestadt imitation) (99)–1.
 Bulk of the deposit, Islamic silver.
 SOURCE: V. Jammer, *Die Anfänge der Münzprägungen im Herzogtum Sachsen* (Hamburg, 1952), p. 27, n. 49; Völckers, pp. 91, 179.
 REMAINS: Dispersed.
164. **Trier V** (1 piece). Find: before 1863. Deposit: after 761.
Charlemagne
 Trier (114)–1.
 SOURCE: Menadier, *Deutsche Münzen*, II, p. 38; Völckers, pp. 103, 181.
 REMAINS: ?

165. **Leer** (2 pieces). Find: 1914.

The two pieces were found separately.

Charlemagne

Arles (cf. cat. 195); Cologne (106).

SOURCE: Jammer, op. cit., pp. 24 f., n. 30. Völckers, pp. 111, 187.

REMAINS: The Arles coin has been lost; the other piece is in the Landesmuseum, Münster.

166. **Mainz** (St. Alban) (1 piece).

Find: 1907.

Deposit: after 790.

Charlemagne

Pavia (207).

SOURCE: P. Franke, *Fundmünzen*, IV, i, 1157, no. 905 (p. 296); Völckers, pp. 112, 188.

REMAINS: ?

167. **Burgheim** (1 piece). Find: 1949.

Deposit: after 790.

Charlemagne

Milan (212).

SOURCE: *Germania*, 29 (1951), p. 140; Völckers, pp. 112, 188.

REMAINS: ?

168. **Eysölden** (1 piece). Find: 1765 or 1769.

Charlemagne

? (cf. cat. 308).

SOURCE: *Mitt. a. d. German. Nat. Museum* (1911), p. 191; Völckers, pp. 112, 188.

REMAINS: ?

169. **Speyer** (1 piece). Find: 1861.

Charlemagne

Indeterminate (262).

SOURCE and REMAINS: Germanisches Museum Nürnberg; Völckers, pp. 102, 180.

170. **Marsum** (1 piece).

Charlemagne

?

SOURCE: G. Hatz, *Die Anfänge des Münzwesens in Holstein* (Hamburg, 1952), p. 192.

REMAINS: ?

171. **Kolmar** (2 *denarii*). Find: ca. 1844.

Charlemagne

? (cf. cat. 96).

SOURCE: *Numismatische Zeitung* (1844), p. 144; Völckers, pp. 103, 181.

REMAINS: ?

172. **Böbingen** (1 piece). Find: 1913.

Deposit: ca. 800.

Charlemagne

Melle (172).

SOURCE and REMAINS: Historisches Museum Speyer; Völckers, pp. 116,

191.

173. **Regensburg** (2 pieces). Find: 1868.

Deposit: after 814.

Louis the Pious

Regensburg (323); Venice (456).

SOURCE: *Blätter für Münzfreunde* (1880), Col. 736.

REMAINS: ?

174. **Hollingstedt** (1 piece).

Deposit: after 814.

Louis the Pious

Strassburg (326?).

SOURCE: Hatz, op. cit., chart 3, no. 6.

REMAINS: ?

175. **Bonn** (1 piece). Find: 1929/30?

Deposit: after 814.

Louis the Pious

Dorestadt (333)–1.

SOURCE: Völckers, pp. 61, 150.

REMAINS: Landesmuseum Bonn.

176. **Worms** (3 pieces).

Deposit: see comment below.

Charlemagne

Dorestadt (99)–1.

Louis the Pious

Dorestadt (332)–1; Indeterminate (472)–1.

The miscellaneous nature of this “deposit” suggests very strongly that the coins represent a conflation of two finds, or a chance combination of three loose coins.

SOURCE: Völckers, pp. 101, 180.

REMAINS: Städtisches Museum, Worms.

177. **Boppard** (1 piece). Find: 1915. Deposit: after 814.
Louis the Pious
 Venice (456).
 SOURCE: *Blätter für Münzfreunde* (1916), p. 13.
 REMAINS: ?
178. **Neumünster-Grotenkamp** (1 piece).
 Find: 1954. Deposit: after 814.
Louis the Pious
 Venice (456).
 SOURCE: G. Hatz, "Zwei karolingische Münzen aus der sächsischen Siedlung Neumünster-Grotenkamp," *Hamburger Beiträge zur Numismatik*, 15 (1961), pp. 53 f.
 REMAINS: Schleswig-Holsteinisches Landesmuseum für Vor- und Frühgeschichte.
179. **Aachen** (1 piece). Find: 1929. Deposit: after 814.
Louis the Pious
 Indeterminate (472).
 SOURCE: *Zeitschrift des Aachener Geschichtlichen Vereins* (1929), p. 420.
 REMAINS: ?
180. **Epfach** (1 piece). Find: 1831. Deposit: after 814.
Louis the Pious
 Indeterminate (472).
 SOURCE: *Jahrbuch des Oberdonaukreises Augsburg* (1835), pp. 62/3.
 REMAINS: ?
181. **Frankfurt a.M.** (1 piece). Find: 1857. Deposit: after 814.
Louis the Pious
 Indeterminate (472).
 SOURCE and REMAINS: Historisches Museum Frankfurt.
182. **Fulda** (1 piece). Find: 1941. Deposit: after 814.
Louis the Pious
 Indeterminate (472).
 SOURCE: J. Vonderau, "Die Ausgrabungen am Domplatz in Fulda, 1941," *XXVI. Veröffentlichung Fulda* (1946), p. 23.
 REMAINS: ?
183. **Haitabu** (1 piece). Find: before 1924. Deposit: after 814.
Louis the Pious
 Indeterminate (472).

SOURCE: *Jahrbuch der Frankfurter Numismatischen Gesellschaft* (1924),
p. 31.
REMAINS: ?

184. **Hohenaltheim** (1 piece). Find: 1835. Deposit: after 814.

Louis the Pious

Indeterminate (472).

SOURCE: *Jahrbuch des Oberdonaukreises Augsburg* (1835), pp. 62/3.
REMAINS: ?

185. **Hornburg** (1 piece). Deposit: after 814.

Louis the Pious

Indeterminate (472).

SOURCE and REMAINS: Historisches Museum Speyer.

186. **Korvey** (1 piece). Deposit: after 814.

Louis the Pious

Indeterminate (472).

SOURCE: Berghaus, op. cit., p. 32. 64.
REMAINS: ?

187. **Mayen** (1 piece). Find: 1919. Deposit: after 814.

Louis the Pious

Indeterminate (472).

SOURCE and REMAINS: Landesmuseum Bonn.

188. **Ramelsloh** (1 piece). Find: 1959. Deposit: after 814.

Louis the Pious

Indeterminate (472).

SOURCE: H. H. Völckers, "Fund eines karolingischen Denars in Ramelsloh," *Hamburger Beiträge zur Numismatik*, 8 (1958), pp. 84 ff.
REMAINS: Helms-Museum, Ramelsloh.

189. **Speyer** (1 piece). Deposit: after 814.

Louis the Pious

Indeterminate (472).

SOURCE and REMAINS: Historisches Museum Speyer.

190. **Stade** ("mehrere" pieces). Find: 1717. Deposit: after 814.

Louis the Pious

Indeterminate (472).

SOURCE: Jammer, op. cit., p. 60.
REMAINS: ?

191. **Trier** (1 piece?). Find: 1852. Deposit: after 817.

Lothaire I

Trier (546).

SOURCE: *Jahrbücher der Gesellschaft für nützliche Forschungen Trier* (1853), p. 72.

REMAINS: Landesmuseum Trier.

192. **Trier** (1 piece?). Find: 1761. Deposit: after 817.

Lothaire I

Trier (546).

SOURCE: Files of the Numismatische Kommission der Länder in der Bundesrepublik Deutschland, Hamburg.

REMAINS: Landesmuseum Trier.

193. **Ostro** (1 piece). Find: 1925. Deposit: after 817.

Louis the German

Mainz (594).

SOURCE: Files of the Numismatische Kommission der Länder in der Bundesrepublik Deutschland, Hamburg.

REMAINS: ?

194. **Rahlingen** (1 piece). Find: 1859. Deposit: ca. 830.

Charles the Bald

Orléans (945).

SOURCE: A. Namur, "Notice sur une monnaie carlovingienne," *RBN* 1860, pp. 66-75.

REMAINS: ?

195. **Oberbillig** (1 piece). Find: 1942. Deposit: ca. 890.

Arnulf

Indeterminate (1540?).

SOURCE and REMAINS: Landesmuseum Trier.

196. **Regensburg** (1 piece). Find: 1935. Deposit: ca. 890.

Arnulf

Indeterminate (1540).

SOURCE and REMAINS: Museum Regensburg.

197. **Neumünster-Grotenkamp** (1 piece).

Find: 1956.

Deposit: ca. 900.

Louis the Child

Mainz (1546).

SOURCE: G. Hatz, "Zwei karolingische Münzen aus der sächsischen Siedlung Neumünster-Grotenkamp," *Hamburger Beiträge zur Numismatik*, 15 (1961), pp. 53 ff.

REMAINS: Schleswig-Holsteinisches Landesmuseum für Vor- und Frühgeschichte.

198. **Hollingstedt** (1 piece). Deposit: ca. 900.

Louis the Child

Strassburg (1550).

SOURCE: Hatz, op. cit., list for Table 3.

REMAINS: ?

199. **Urach** (1 piece). Find: 1956. Deposit: ca. 900.

Louis the Child

Strassburg (1550).

SOURCE: *Numismatisches Nachrichtenblatt* (1956), p. 93.

REMAINS: ?

200. **Emden** (1 piece). Find: 1953. Deposit: ca. 900.

Louis the Child

Cologne (1558).

SOURCE: Hävernicks 21. P. Berghaus, "Die ostfriesischen Münzfunde," *Friesisches Jahrbuch* (1958), pp. 47 f., no. 25.

REMAINS: Ostfriesisches Landesmuseum, Emden.

201. **Münster** (1 piece). Find: 1953. Deposit: ca. 900.

Louis the Child

Cologne (1559).

SOURCE: *Numismatisches Nachrichtenblatt* (1953), p. 117.

REMAINS: ?

202. **Schwenningen** (1 piece). Find: 1927. Deposit: ca. 900.

Louis the Child

Strassburg (1559).

SOURCE: Files of the Numismatische Kommission der Länder in der Bundesrepublik Deutschland, Hamburg.

REMAINS: ?

203. **Bonn** (1 piece). Find: 1929/30. Deposit: after 900.

Louis the Child

Cologne (1560)–I.

SOURCE: Völckers, pp. 61, 151.

REMAINS: Landesmuseum Bonn.

204. **Zabern** (2½ pieces). Find: 1913. Deposit: ca. 900.
Louis the Child
 Toul (1567).
 SOURCE: *Blätter für Münzfreunde* (1914), Col. 5506.
 REMAINS: ?
205. **Neuhaus** (3 pieces). Find: 1902. Deposit: ca. 920.
Louis the Child
 Strassburg (1550)–1; Cologne (1559)–2.
 Bulk of the deposit, Islamic silver.
 SOURCE: Nöbbe, *Nordelbingen*, vol. 2 (1923), pp. 279f.; Hävernicks, *Köln*, I, p. 19; Hatz, *Beginn des Münzwesens in Holstein*.
 REMAINS: ?
206. **Trebenow** (146 pieces). Find: 1876. Deposit: ca. 955.
Charles the Simple
 Cologne (1352 ?)–1.
 Bulk of the deposit, Islamic silver.
 SOURCE: Jammer, op. cit., p. 163, no. 406.
 REMAINS: ?
207. **Paretz** (45 pieces intact and several hundred fragments).
 Find: 1882. Deposit: ca. 970.
Odo
 Limoges (or Limoges imitation) (1332)–1.
 The deposit consisted largely of Islamic silver, with an admixture of German feudal and royal, Anglo-Saxon, papal, and Italian coins.
 SOURCE: J. Friedländer, *Zeitschrift für Numismatik*, 9 (1882), pp. 289–295.
 REMAINS: ?
208. **Posenschen** (100 + pieces). Find: ca. 1845.
 The deposit consisted of coins of Arnulf and, preponderantly, of German feudal, Islamic, Byzantine, and Norman princes. No other particulars are known.
 SOURCE: *Zeitschrift für Münz-, Siegel- und Wappenkunde*, 6 (1846), p. 231.
 REMAINS: ?
209. **Regensburg** (? pieces). Find: 1901.
 The deposit contained coins of a King Louis.
 SOURCE: *Verhandlungen des historischen Vereins von Oberpfalz und Regensburg* (1901), p. 346.
 REMAINS: ?

210. **Stolpe** ("8 pounds"). Find: ca. 1847. Deposit: ca. 1000.

Charles the Simple

Cologne (1352).

Louis the Child

Cologne (1550).

Found in context of Cufic, German, Anglo-Saxon, and Byzantine coins of the later tenth century.

SOURCE: H. Dannenberg, "Der Münzfund von Stolpe," *Mémoires de la Société impériale d'archéologie (St-Petersbourg)*, II (1848), p. 99.

REMAINS: ?

POLAND

211. **Trzebianowo** (1 piece). Deposit: after 955?

Charles the Simple

Cologne (1352)—1.

SOURCE: T. Kiersnowska, "Monnaies carolingiennes sur les terres slaves," *Wiadomości Numismatyczne (Polish Numismatic News)*, V (1961), p. 96, no. 10. (Special issue for Numismatic Congress in Rome, 11-16 Sept. 1961).

REMAINS: ?

212. **Obrzycko** (1 piece). Deposit: after 973?

Lothaire of France

Rheims (1660)—1.

SOURCE: Kiersnowska, op. cit., p. 96, no. 22. This find is to be distinguished from the deposit of coins of Berengar II, of Italy, also unearthed at Obrzycko. On this second deposit, see B. de Koehne, "Der Fund von Tureff," *Mémoires de la Société impériale d'archéologie (St-Petersbourg)*, 5 (1851), p. 246f.

REMAINS: ?

213. **Slupsk** (2 pieces). Deposit: after 991?

Charles the Simple

Cologne (1352)—1.

Louis the Child

Cologne (1556)—1.

SOURCE: Kiersnowska, op. cit., p. 96, no. 15.

REMAINS: ?

214. **Polczyn-Zdroje** (1 piece). Deposit: after 996?
Charles the Simple
 Metz (1358)–1.
 SOURCE: Kiersnowska, op. cit., p. 96, no. 14.
 REMAINS: ?
215. **Ostro** (1 piece). Deposit: ca. 1000?
Louis the German
 Mainz (594)–1.
 SOURCE: Kiersnowska, op. cit., p. 96, no. 7.
 REMAINS: ?
216. **Oranienburg** (1 piece). Deposit: after 1002?
Louis the Child
 Cologne (1556)–1.
 SOURCE: Kiersnowska, op. cit., p. 95, no. 5.
 REMAINS: ?
217. **Dargocice** (1 piece). Deposit: after 1011?
Louis the Pious
 Paris (361)–1.
 SOURCE: Kiersnowska, op. cit., p. 96, no. 13.
 REMAINS: ?
218. **Kamien Pomorski** (1 piece).
Charles the Bald
 Troyes (954, but reported as obol)–1.
 SOURCE: Kiersnowska, op. cit., p. 96, no. 9.
 REMAINS: ?
219. **Starydworek** (4 pieces). Deposit: after 1016?
Louis II
 Indeterminate (1182?)–2.
 Not described–2.
 SOURCE: Kiersnowska, op. cit., p. 96, no. 23.
 REMAINS: ?
220. **Kowal** (2 pieces). Deposit: after 1018?
Louis the Child
 Not described–1.
Louis IV
 Langres (1636)–1.
 SOURCE: Kiersnowska, op. cit., p. 98, no. 28.
 REMAINS: ?

221. **Bierzgłowo** (1 piece). Deposit: after 1024?

Louis IV

Langres (1636)—1.

SOURCE: Kiersnowska, op. cit., p. 98, no. 26.

REMAINS: ?

222. **Mgowo** (1 piece). Deposit: after 1034?

Louis the Child

Cologne (1556)—1.

SOURCE: Kiersnowska, op. cit., p. 98, no. 27.

REMAINS: ?

223. **"Pommerania"** (2 pieces). Deposit: after 1055?

Louis the Pious

Verdun (347)—1.

Indeterminate—1.

SOURCE: Kiersnowska, op. cit., p. 96 no. 20.

REMAINS: ?

224. **Thurow** (1 piece). Deposit: after 1057?

Louis IV

Langres (1636)—1.

SOURCE: Kiersnowska, op. cit., p. 95, no. 4.

REMAINS: ?

225. **Płońsk** (2 pieces). Deposit: after 1065?

Charles the Simple

Cologne (1352)—1.

Louis the Child

Cologne (1556)—1.

SOURCE: Kiersnowska, op. cit., p. 98, no. 30.

REMAINS: ?

On the finds of Prerow-Darss, Paretz, and Neuhaus (Dransau), see above nos. 163, 207, and 205. Kiersnowska, op. cit., p. 95, nos. 1, 3; p. 96, no. 6. Mme. Kiersnowska also inventories the following deposits, for which it is only recorded that Carolingian coins (of unspecified types) were discovered (pp. 95 ff.):

Schwaan (no. 2), Uznam (no. 8—recorded as Charlemagne or Charles the Bald), Widuchowa (no. 11—recorded as Charles the Bald), Gralewo (no. 12—recorded as Charles the Simple), Plocko (no. 16), Dabrowa (no. 17), Gdańsk-Orunia (no. 18—recorded as a "ghost" piece, Louis the Child, Anvers), Mierzyszyn (no. 19, recorded as Orléans), Kórnik (no. 24), Olobok (no. 25—

recorded as Cologne), Cuyavie (no. 29—recorded as an issue of Louis the Pious), Goszczyn-Sierpów (no. 31—recorded as issues of Louis the Pious and Charles the Fat), Kowale (no. 32), Bystrzyca (no. 33—recorded as Orléans and a coin with a Carolingian monogram).

BELGIUM

226. **Liège** (1 piece).

Deposit: after 751.

Pippin

Indeterminate (40)—1.

SOURCE: Völckers, pp. 61, 151.

REMAINS: Cabinet des Médailles, Brussels.

227. **Brussels** (1 piece).

Deposit: after 751.

Pippin

Indeterminate (75)—1.

SOURCE: Völckers, pp. 65, 152.

REMAINS: Staatliche Münzsammlung, Berlin.

THE NETHERLANDS

228. **Domburg — Dorestadt**

Völckers has inventoried 162 single finds made at Domburg, and 203 single finds at Dorestadt; and, since it would exceed the proper limits of the present work to reproduce his lists, we refer the student to the relevant sections of *Karolingische Münzfunde*: pp. 44, 128; 51, 137.

229. **Sneek** (1 piece).

Deposit: after 751.

Charlemagne

Indeterminate (226)—1.

SOURCE: Völckers, pp. 103, 181.

REMAINS: Frisian Museum.

230. **Middelstum** (1 piece). Find: 1883.

Deposit: after 751.

Charlemagne

Indeterminate (244)—1.

SOURCE: Völckers, pp. 101, 179.

REMAINS: Groningen Museum.

231. **Schowen**

In the years ca. 1900–1925, the following coins were collected, with numerous Roman issues, by a resident of the island of

Schowen, and presumably they were found on that island. It is not known whether single finds account for all of them, or whether some derive from larger deposits.

Charlemagne

Dorestadt (99)-I, (100)-I; Bonn (107)-I; Toulouse (181)-I; Narbonne (185)-I; Arles (197)-I; Pavia (207)-I; Indeterminate (262)-I.

Louis the Pious

Strassburg (326)-I; Dorestadt (332)-I; Venice (456)-I, (457)-I; Indeterminate (472)-I, (473)-I.

Lothaire I

Dorestadt (530)-I.

Pippin I/II

Melle (606)-I.

Charles the Bald

Laon (792)-I; Noyon (802)-I; Melle (1060)-I.

Louis the Child

Würzburg (1549)-I.

SOURCE: Völckers, pp. 70, 153.

REMAINS: ?

NORWAY

232. **Moksnes** (1 piece). Find: 1838. Deposit: after 800.

Charlemagne

Indeterminate (314).

SOURCE: K. Skaare, "Et myntfunn fra Kaupang," *Fra Kaupang-Grauningen* (Stockholm 1958/9), p. 112; H. Holst, "Uten- og innenlandske mynter i norske funn, nedlagt før 1100," *Numismatisk Årsskrift* (1943), p. 96.

REMAINS: ?

233. **Søndre Våje** (1 piece). Find: 1900. Deposit: after 814.

Louis the Pious

Indeterminate (515)-I.

SOURCE: Skaare, op. cit., p. 111; Holst, "Uten- og innenlandske mynter," p. 76.

REMAINS: ?

234. **Kaupang** (2 pieces). Find: 1958. Deposit: ca. 850?
Louis the Pious
 Indeterminate (472)–1.
 Found with a penny of Coenwulf of Mercia (d. 822).
 SOURCE: Skaare, op. cit., pp. 106 ff.
 REMAINS: ?
235. **Spangereid** (1 genuine piece, 4 imitations).
 Find: 1879. Deposit: after 850?
Charlemagne
 Dorestadt (99)–4.
Louis the Pious
 Indeterminate (472)–1.
 SOURCE: Skaare, op. cit., p. 111; *Foreningen til norske fortidsminnesmerkers bevaring* (Årsberetning, 1879), p. 43.
 REMAINS: ?
236. **Jaeren** (2 or 3 pieces). Find: 1856 (1876?) Deposit: ca. 850.
Louis the Pious
 Rheims (359).
Charles the Bald
 Le Mans (905)–possibly a separate find at Jaeren; Melle (1063).
 SOURCE: Skaare, op. cit., pp. 111 f.; Holst, "Unten- og innenlandske mynter," p. 80; N. L. Rasmussen, "Kring de västerländska mynten i Birka," *Från Stenålder till Rokoko (Festschrift Otto Rydbeck)* (Stockholm, 1937), p. 121; Völckers, pp. 117, 191 [Jaederen].
 REMAINS: ?
237. **Søndre Bø** (6 scattered pieces).
 Find: 1875. Deposit: after 850?
Louis the Pious
 Indeterminate (472).
Charles the Bald
 Melle (1063?).
 SOURCE: Skaare, op. cit., p. 111; Holst, "Unten- og innenlandske mynter," p. 69; Völckers, pp. 117, 191.
 REMAINS: Universitetets Oldsakssamling, Oslo.
238. **Hon** (38 pieces). Find: 1834. Deposit: ca. 850.
Louis the Pious
 Arles (gold cast of a denarius) (435)–1; Indeterminate (515, imitations)–2.

Lothaire I

Indeterminate (566)–I.

Pippin I/II

Aquitaine (597)–I.

The bulk of the deposit consisted of Cufic pieces (dated 774/5–849), and there were also four Byzantine coins (between 364 and 852) and one piece of Archbishop Wulfred of Canterbury (805–832).

SOURCE: Skaare, op. cit., p. 111; Holst, op. cit., p. 69; H. Holst, "On the Coins of the Hon-Find," *Minor Publications of the Norwegian Numismatic Society*, 4, (1931), pp. 2–4.

REMAINS: ?

239. **Lyslo** (1 piece). Find: before 1824. Deposit: after 850?

Charles the Bald

Melle (1063).

SOURCE: Skaare, op. cit., p. 112; Holst, "Unten- og innenlandske mynter," p. 88; O. Rygh, *Om den yngre Jernalder i Norge* (Aarb, 1877), pp. 102 ff.; Völckers, pp. 117, 192.

REMAINS: ?

240. **Kaldal** (? pieces). Find: 1848. Deposit: ca. 1005.

Two denarii, considered imitations of coins of Charles the Bald and/or Charles the Fat were found in a context of Cufic, Anglo-Saxon, and German coins. The *Mémoires* of the St. Petersburg Academy describe them as follows:

1. *Obv.*: +I***KAMERACVSC. Karolus monogram.

Rev.: +SCIGAVGERICIMON. Cross. Denarius.

2. *Obv.*: +CDΛCIADIRE X. Karolus monogram.

Rev.: +TRECASCIVIS. Cross. Denarius.

SOURCE: Skaare, op. cit., p. 112; Holst, "Unten- og innenlandske mynter," p. 96; H. Holst, "Pengefunnet fra Kaldal," *Nordisk Numismatisk Årsskrift* (1955), pp. 93 ff.; *Mémoires de la Société Impériale d'Archéologie (St-Petersbourg)*, 4 (1850), p. 369.

REMAINS: ?

241. **Årstad** (? pieces). Find: 1836. Deposit: ca. 1030.

Louis the Pious

Indeterminate (472).

This piece was found together with a coin imitating the Karolus monogram, and with a mixture of other continental, Swedish, Danish, and Anglo-Saxon coins.

SOURCE: Skaare, op. cit., p. 111; Holst, "Uten- og innenlandske myn-
ter," p. 60.

REMAINS: ?

242. **Brøholt** (1 piece). Find: 1827 (1867?). Deposit: ca. 1050?

Louis the Child

? (denarius).

SOURCE: Holst, "Uten- og innenlandske mynter," p. 69.

REMAINS: ?

DENMARK

243. **Alstad** (1 piece). Find: before 1850. Deposit: after 814.

Louis the Pious

Dorestadt (330).

SOURCE: Skaare, op. cit., p. 114; G. Galster, *Coins and History* (Copen-
hagen, 1959), p. 67.

REMAINS: ?

244. **Hedeby** (1 piece). Deposit: after 814.

Louis the Pious

Dorestadt (330).

SOURCE: Skaare, op. cit., p. 114; Galster, op. cit., p. 67.

REMAINS: ?

245. **Morsen** (1 piece). Find: 1943. Deposit: after 850.

Charles the Bald

Indeterminate (1157).

SOURCE: Skaare, op. cit., p. 114; Galster, op. cit., p. 72.

REMAINS: ?

246. **Lerchenborg** (? pieces). Find: 1889. Deposit: ca. 900.

Charlemagne

Dorestadt (imitation) (99).

Louis the Pious

Indeterminate (472).

Found with two Cufic coins and other silver ornaments.

SOURCE: Skaare, op. cit., p. 113; Galster, op. cit., p. 68.

REMAINS: ?

247. **Rudkjöbing** (1 piece?). Find: 1809. Deposit: ca. 900?

Louis the Child

Cologne (1561).

SOURCE: Galster, op. cit., pp. 72 f.

REMAINS: ?

248. **Jynevad** (? pieces). Find: 1863. Deposit: ca. 955.

Louis the Child

Strassburg (1550)–2.

Louis IV

Chinon (1631).

Found in context of Islamic and Italian coins.

SOURCE: Galster, op. cit., pp. 73 f., 76, and passim; Rasmusson, op. cit., pp. 124 f.; R. H. M. Dolley, "The Post-Brunanburgh Viking Coinage of York," *Numismatik Årsskrift* (1957/8), p. 33.

REMAINS: ?

249. **Aggersborg** (1 piece). Find: 1949. Deposit: ca. 1000.

Louis the Pious

Indeterminate (472).

SOURCE: Skaare, op. cit., p. 113; Galster, op. cit., pp. 70 f.

REMAINS: ?

250. **Kulhusgarden** (? pieces). Find: 1863. Deposit: ca. 1000.

Charles the Bald

Bruges (699).

Found in context of German and Anglo-Saxon coins.

SOURCE: Skaare, op. cit., p. 113; Galster, op. cit., p. 71.

REMAINS: ?

251. **Iholm** (? pieces). Find: 1853. Deposit: ca. 1010.

Louis the Pious

Indeterminate (472).

Found in a context of Cufic, Anglo-Saxon, German, and Swedish coins.

SOURCE: Skaare, op. cit., p. 113; Galster, op. cit., pp. 69 f.

REMAINS: ?

252. **Munkegård** (? pieces). Find: 1864. Deposit: ca. 1010.

Charles the Simple

Cologne (1354).

SOURCE: Skaare, op. cit., pp. 113 f.; Galster, op. cit., p. 75.

REMAINS: ?

253. **Tolstrup** (? pieces). Find: 1895. Deposit: ca. 1010.

Louis the Pious

Indeterminate (472).

Charles the Simple

Cologne (1353).

Found in context of German pieces.

SOURCE: Skaare, op. cit., p. 113; Galster, op. cit., pp. 69, 74 f.

REMAINS: ?

254. **Store Valby** (? pieces). Find: 1839. Deposit: ca. 1050.

Charles the Simple

Trier (1357).

Found in context of Cufic, German, Anglo-Saxon, Danish, and Hungarian coins.

SOURCE: Skaare, op. cit., p. 113.

REMAINS: ?

255. **Stolpehuse** (? pieces). Find: 1837. Deposit: ca. 1060.

Charles the Bald

Melle (1063).

SOURCE: Skaare, op. cit., p. 113; Galster, op. cit., p. 71 f.

REMAINS: ?

The finds of Over Randlev and Graagaarde contained Italian coins of the tenth century, but no Carolingian pieces. On these deposits, see Skaare, op. cit., p. 113, and Galster, op. cit., pp. 76, 77.

SWEDEN

256. **Birka** (1 piece). Deposit: after 800.

Charlemagne

Indeterminate (318).

SOURCE: Skaare, op. cit., p. 112; Rasmusson, op. cit., p. 118.

REMAINS: ?

257. **Birka** (4 pieces, found in four graves). Deposit: after 814.

Louis the Pious

Indeterminate (472)

SOURCE: Skaare, op. cit., p. 112; Rasmusson, op. cit., p. 118.

REMAINS: ?

258. **Rimforsa** (2 pieces). Deposit: after 814

Louis the Pious

Indeterminate (472).

SOURCE: Skaare, op. cit., p. 112; Rasmusson, op. cit., p. 120.

REMAINS: ?

259. **Salum** (2 pieces). Deposit: after 814.

Louis the Pious

Indeterminate (472).

SOURCE: Skaare, op. cit., p. 112; Rasmusson, op. cit., p. 120.

REMAINS: ?

260. **Öland** (1 piece). Deposit: after 814.

Charles the Bald

"Curtisassonien" (895).

SOURCE: Skaare, op. cit., p. 113.

REMAINS: ?

261. **Birka** (1 piece). Deposit: after 864.

Charles the Bald

Indeterminate (1157).

SOURCE: Skaare, op. cit., p. 112; Rasmusson, op. cit., p. 118.

REMAINS: ?

262. **Sigters** (? pieces).

The deposit contained two pieces of Charles the Simple (?) with the immobilised GRATIA D-I REX type (not further described) in a context of Cufic, German, and Anglo-Saxon coins, with one Haitabu half-bracteate.

SOURCE: Skaare, op. cit., p. 112; Rasmusson, in the *Nordisk Numismatisk Årsskrift* (1957/8), p. 265.

REMAINS: ?

263. **Vejrmöllebanken** (? pieces). Find: 1807.

Nothing is known of this deposit from contemporary accounts except that it included four dirhems and pieces of silver; it is also alleged to have contained a denarius of Pippin. Ernst and Völckers suppose the Carolingian piece to have been a variant of our cat. 25, and they believe that a coin of this type, in the Danish National Collection since 1868, is the actual find piece. This supposition, however, is not consonant with other northern deposits containing Islamic coins. Although some of these likewise contain stray coins of Pippin I/II, none include issues of the earlier Pippin, and we therefore register the attribution with a strong *caveat*.

SOURCE: Völckers, pp. 68, 153.

REMAINS: ?

FINLAND

264. **Nousiainen** (1695 pieces). Deposit: ca. 1040.

1. *Obv.*: AOL---RIDX. Type not specified.

Rev.: [M]ONIOCNCIA. Type not specified. Probably not Carolingian.

2. *Obv.*: HIVDOVVICVS. Type not specified.

Rev.: ANCONISCVCIT. Type not specified. Probably not Carolingian.

SOURCE: Rasmusson, "Kring," p. 126; cf. de Koehe, "Über die im Russischen Reiche gefundenen abendländischen Münzen des X., XI., und XII. Jahrhunderts," *Mémoires de la Société d'archéologie et de numismatique* (St-Petersbourg), 7 (1849), p. 370, no. 14; communication from Professor Berghaus.

REMAINS: ?

GREAT BRITAIN AND IRELAND

265. **St. Albans** (2 coins). Find: before 1851. Deposit: ca. 790.

Charlemagne

Dorestadt (99).

Found with a penny of Offa.

SOURCE: R. H. M. Dolley and D. M. Metcalf, "Two Stray Finds From St. Albans of Coins of Offa and of Charlemagne," *British Numismatic Journal*, 28 (1958), p. 463.

REMAINS: ?

266. **Lewes (Sussex)** (1 piece). Find: 1884. Deposit: after 814.

Louis the Pious

Indeterminate (515-imitation).

SOURCE: Evans, op. cit., pp. 260f.

REMAINS: British Museum.

267. **Gower** (3 pieces). Find: 1948. Deposit: ca. 840.

Lothaire I

Pavia (556)-I.

Charles the Bald

Melle (1063)-I.

Found with one Anglo-Saxon coin.

SOURCE: Thompson, op. cit., no. 305; Dolley-Morrison, "Finds," p. 78, no. 2.

REMAINS: The coins are preserved in the Royal Institution of South Wales, Swansea.

268. **London** (Middle Temple) (1 piece).
Find: 1893. Deposit: ca. 842.
Charlemagne
Mainz (93).
SOURCE: J. D. A. Thompson, *Inventory of British Coin Hoards, A.D. 600-1500* (London, 1956), no. 366; R. H. M. Dolley and K. F. Morrison, "Finds of Carolingian Coins from Great Britain and Ireland," *British Numismatic Journal*, 32 (1964), p. 78, no. 3.
REMAINS: British Museum.
269. **Pin's Knoll (Dorset)** (1 piece). Find: 1963. Deposit: ca. 855.
Lothaire II
Palace (1182a).
SOURCE: Dolley-Morrison, "Finds," p. 75 ff.
REMAINS: Dorset County Museum.
270. **Dorking** (ca. 1000 pieces). Find: 1817. Deposit: ca. 861.
Pippin I/II
Melle (606)-I.
SOURCE: Thompson, op. cit., no. 123; Dolley-Morrison, "Finds," p. 78, no. 5.
REMAINS: Dispersed.
271. **Talnotrie** (ca. 12 pieces). Find: 1912. Deposit: ca. 870.
Louis the Pious
Indeterminate (472)-I.
Found in context of Cufic and Anglo-Saxon coins.
SOURCE: Thompson, op. cit., no. 349; Dolley-Morrison, "Finds," p. 78, no. 7.
REMAINS: National Museum of Antiquities, Edinburgh.
272. **Gravesend** (540 pieces). Find: 1838. Deposit: ca. 872.
Louis the Pious
Indeterminate (472)-I.
Found in context of Anglo-Saxon coins.
SOURCE: Thompson, op. cit., no. 176; Dolley-Morrison, "Finds," p. 79, no. 8.
REMAINS: British Museum.
273. **Trewhiddle** (ca. 120 pieces). Find: 1774. Deposit: ca. 873.
Louis the Pious
Indeterminate (472)-I.
There may, in addition, have been several coins of Pippin I/II.

SOURCE: Thompson, op. cit., no. 362; R. H. M. Dolley ed., *Anglo-Saxon Coins* (London, 1961), p. 67; Dolley-Morrison, "Finds," p. 79, no. 9.
REMAINS: Dispersed.

274. **Croydon** (ca. 250 pieces). Find: 1862. Deposit: ca. 875.

Louis the Pious

Indeterminate (472)–2.

Charles the Bald

Indeterminate (1159)–6.

Found in context of Cufic and Anglo-Saxon coins.

SOURCE: Thompson, op. cit., no. 111. Dolley-Morrison, "Finds," p. 79, no. 10.

REMAINS: One piece of Louis the Pious is in the British Museum.

275. **Stamford** (ca. 40 pieces). Find: 1902. Deposit: ca. 900.

Charles the Bald

St-Denis (847)–1.

Found in context of Anglo-Saxon coins (or Viking imitations).

SOURCE: Thompson, op. cit., no. 339; Dolley-Morrison, "Finds," p. 79, no. 12.

REMAINS: British Museum.

276. **Harkirke** (ca. 300 pieces). Find: 1611. Deposit: ca. 910.

Charles the Bald

Melle (1063)–1.

Louis the Child

Indeterminate (1570)–1.

Found in context of Anglo-Saxon, Viking, and Italian coins.

SOURCE: Thompson, op. cit., no. 184; Photostats of original accounts in Department of Coins and Medals, British Museum; Dolley-Morrison, "Finds," p. 82, no. 14.

REMAINS: Dispersed.

277. **Port St. Mary, Isle of Man** (1 piece).

Find: 1873/4.

Deposit: ca. 960.

Louis the Pious

Indeterminate (515-imitation).

SOURCE: J. Evans in *NC* 1884, pp. 259–262; Dolley-Morrison, "Finds," p. 82, no. 16.

REMAINS: Manx Museum, Douglas (on loan).

The reader will find nine additional finds inventoried in Dolley-Morrison, "Finds," pp. 82ff., which are here omitted as sub-Carolingian, and two others (nos. 1, 15), whose "Carolingian" contents were not struck by members of the Carolingian dynasty.

SWITZERLAND

278. **Steckborn** (30 + pieces). Find: 1830. Deposit: ca. 800.

Charlemagne

Melle (172)–I.

Found in context of Islamic coins, only eight of which were preserved for examination. The latest of these is dated A.D. 798.

SOURCE: J. Duplessy, "La circulation des monnaies arabes en Europe occidentale du VIII^e au XIII^e siècle," *RN* 1956, pp. 123 f.; Völckers, pp. 118, 192.

REMAINS: ?

279. **Grosso in the Mesolcina** (1 piece).

Find: 1910.

Deposit: after 751.

Charlemagne

Castel Seprio (212a).

SOURCE: E. Hahn, "Ein Denar Karls des Grossen, von Castel Seprio," *Revue Suisse de Numismatique* (1912), pp. 88–89.

REMAINS: ?

ITALY

280. **Mosciano San Angelo** (1 piece).

Find: 1925.

Deposit: after 751.

Charlemagne

Indeterminate (cf. cat. 182)–I.

SOURCE: Völckers, pp. 104, 182.

REMAINS: ?

281. **Hoard of the Vestal Virgins ("Forum Hoard")** (ca. 835 pieces). Find: 1883. Deposit: ca. 950.

Odo

Limoges (1332)–I.

The deposit consisted predominately of Anglo-Saxon pennies, but it also contained one gold solidus of Theophilus, two coins of Pavia, and one of Regensburg.

SOURCE: *Annuaire de la Société française de numismatique et d'archéologie*, 8 (1883), p. 372; C. F. Keary, "A Hoard of Anglo-Saxon Coins found in Rome," *NC* 1884, pp. 225 ff.

REMAINS: ?

HUNGARY

282. **Orsova** (1 piece). Find: 1951? Deposit: ca. 900?

Louis the Pious

Indeterminate (472).

SOURCE: L. Huszár, *Das Münzmaterial in den Funden der Völkerwanderungszeit im Mittleren Donaubecken* (*Acta Archaeologica Academiae Scientiarum Hungaricae*, no. 5) (Budapest, 1955), CLVIII, no. 371, p. 91.

REMAINS: ?

283. **Vereb** (1 piece). Find: before 1900? Deposit: ca. 900?

Charles the Bald

Chalon-sur-Saône (1033).

SOURCE: Huszár, op. cit., CCXLIV, no. 497, p. 102.

REMAINS: ?

284. **Szentes** (1 piece). Find: 1939? Deposit: ca. 900.

Charles the Bald?

Indeterminate (1156?).

SOURCE: Huszár, op. cit., CCVII, no. 17, p. 97.

REMAINS: ?

285. **Tiszaeszlár** (8 pieces from one grave).

Find: 1948?

Deposit: ca. 900.

Louis the Pious

Bourges (410)–2.

Charles the Simple

Indeterminate (1429)–2.

The remainder of the coins are tenth-century Italian issues.

SOURCE: Huszár, op. cit., CCXXXI, CCXXII, nos. 472–479, p. 100.

REMAINS: ?

286. **Tiszaeszlár** (1 piece, not from same grave as above).

Deposit: ca. 900?

Odo

Limoges (1332).

SOURCE: Huszár, op. cit., CCXXXII, no. 480, p. 101.

REMAINS: ?

287. **Magyarszombathely** (7 pieces in separate finds).

Deposit: ca. 900?

Charles the Simple

Cologne (1352)–1.

Found in context of German and Italian coins.

SOURCE: Huszár, op. cit., CXXIX, nos. 337–343, p. 88.

REMAINS: ?

288. **Vereb** (1 piece). Find: 1853?

Deposit: ca. 900.

Coins in the name of an Emperor Charles

Toulouse (1488).

SOURCE: Huszár, op. cit., CCXLIV, no. 498, p. 102.

REMAINS: ?

289. **Monostori Sziget** (4 pieces). Find: 1938?

Deposit: ca. 950.

Louis IV

Langres (1636)–2.

The other two coins were issues of Berengar II (1) and of Hugh and Lothaire (1).

SOURCE: Huszár, op. cit., CXL nos. 358, 359, p. 90.

REMAINS: ?

CONCORDANCE: GARIEL - MORRISON-GRUNTHAL

Gariel	Morrison Grunthal	Gariel	Morrison Grunthal
Plate I, 1	42	Plate II, 41	66
I, 2	47	II, 42	61
I, 3	47	II, 43	62
I, 4	47	II, 44	41
I, 5	45	II, 45	64
I, 6	56	II, 46	22
I, 7	25	II, 47	23
I, 8	25	II, 48	63
I, 9	25	III, 49	14
I, 10	25	III, 50	35
I, 11	25	III, 51	Not Car.
I, 12	25	III, 52	Not Car.
I, 13	25	III, 53	69
I, 14	25	III, 54	Not Car.
I, 15	25	III, 55	70
I, 16	25	III, 56	15
I, 17	53	III, 57	71
I, 18	80	III, 58	73
I, 19	2	III, 59	36
I, 20	48	III, 60	36
I, 21	16	III, 61	77
I, 22	17	III, 62	10
I, 23	18	III, 63	51
I, 24	18	III, 64	74
II, 25	72	III, 65	75
II, 26	52	III, 66	76
II, 27	58	III, 67	12
II, 28	55	III, 68	19
II, 29	29	III, 69	20
II, 30	44	III, 70	11
II, 31	46	III, 71	Not Car.
II, 32	40	III, 71 a	13
II, 33	43	III, 72	1
II, 34	50	III, 73	21
II, 35	65	IV, 74	49
II, 36	24	IV, 75	57
II, 37	59	IV, 76	9
II, 38	33	IV, 77	8
II, 39	33	IV, 78	34
II, 40	66	IV, 79	37

Gariel	Morrison Grunthal	Gariel	Morrison Grunthal
Plate IV, 80	38	Plate VI, 32	249
IV, 81	39	VI, 33	249
IV, 82	54	VI, 34	249
IV, 83	28	VI, 35	249
IV, 84	Not Car.	VI, 36	249
IV, 85	Not Car.	VI, 37	249
IV, 86	Not Car.	VI, 38	250
IV, 1	82	VI, 39	113
IV, 2	83	VI, 40	112
IV, 3	84	VI, 41	111
IV, 4	86	VI, 42	111
IV, 5	85	VI, 43	105
IV, 6	87	VI, 44	99
IV, 7	88	VI, 45	99
IV, 8	89	VI, 46	99
V, 1	226	VI, 47	99
V, 2	226	VI, 48	99
V, 3	98	VII, 49	99
V, 4	124	VII, 50	99
V, 5	227	VII, 51	99
V, 6	228	VII, 52	642
V, 7	255	VII, 53	157
V, 8	234	VII, 54	257
V, 9	198	VII, 55	257
V, 10	237	VII, 56	277
V, 11	238	VII, 57	252
V, 12	238	VII, 58	252
V, 13	238	VII, 59	248
V, 14	123	VII, 60	128
V, 15	235	VII, 61	129
V, 16	256	VII, 62	307
V, 17	190	VII, 63	110
V, 18	236	VII, 64	260
V, 19	241	VII, 65	260
V, 20	168	VII, 66	261
V, 21	244	VII, 67	261
V, 22	108	VII, 68	164
V, 23	107	VII, 69	165
V, 24	247	VII, 70	230
VI, 25	153	VII, 71	109
VI, 26	154	VII, 72	162
VI, 27	155	VIII, 73	161
VI, 28	152	VIII, 74	263
VI, 29	176	VIII, 75	264
VI, 30	176	VIII, 76	201
VI, 31	240	VIII, 77	201

Gariel	Morrison Grunthal	Gariel	Morrison Grunthal
Plate VIII, 78	201	Plate X, 124	149
VIII, 79	200	X, 125	282
VIII, 80	262	X, 126	282
VIII, 81	262	X, 127	294
VIII, 82	262	X, 128	290
VIII, 83	262	X, 129	297
VIII, 84	262	X, 130	281
VIII, 85	262	X, 131	280
VIII, 86	268	X, 132	291
VIII, 87	268	X, 133	292
VIII, 88	268	X, 134	96
VIII, 89	268	X, 135	97
VIII, 90	268	X, 136	299
VIII, 91	268	X, 137	122
VIII, 92	268	X, 138	298
VIII, 93	268	X, 139	145
VIII, 94	268	X, 140	Not Car.
VIII, 95	268	X, 141	Not Car.
VIII, 96	265	X, 142	Not Car.
IX, 97	313	X, 143	Not Car.
IX, 98	266	X, 144	Not Car.
IX, 99	269	XI, 145	302
IX, 100	271	XI, 146	303
IX, 101	184	XI, 147	304
IX, 102	272	XI, 148	258
IX, 103	242	XI, 149	301
IX, 104	229	XI, 150	119
IX, 105	254	XI, 151	121
IX, 106	275	XI, 152	300
IX, 107	134	XI, 153	Not Car.
IX, 108	170	XI, 154	Not Car.
IX, 109	170	XI, 155	Not Car.
IX, 110	169	XI, 156	Not Car.
IX, 111	279	XI, 157	Not Car.
IX, 112	274	XI, 158	Not Car.
IX, 113	276	XI, 159	Not Car.
IX, 114	259	XI, 160	Not Car.
IX, 115	305	XI, 161	Not Car.
IX, 116	295	XI, 162	Not Car.
IX, 117	125	XI, 163	Not Car.
IX, 118	126	XI, 164	231
IX, 119	267	XI, 165	Not Car.
IX, 120	284	XI, 166	204
X, 121	137	XI, 167	Not Car.
X, 122	136	XI, 168	232
X, 123	150	XII, 169	314

Gariel	Morrison Grunthal	Gariel	Morrison Grunthal
Plate XII, 170	314	Plate XIII, 216	191
XII, 171	224	XIV, 1	459
XII, 172	Not Car.	XIV, 2	385
XII, 173	Not Car.	XIV, 3	391
XII, 174	221	XIV, 4	386
XII, 175	221	XIV, 5	394
XII, 176	222	XIV, 6	394
XII, 177	223	XIV, 7	395
XII, 178	212	XIV, 8	401, 404
XII, 179	208	XIV, 9	403
XII, 180	213	XIV, 10	514
XII, 181	214	XIV, 11	515
XII, 182	220	XIV, 12	Not Car.
XII, 183	216	XIV, 13	Not Car.
XII, 184	308	XIV, 14	Not Car.
XII, 185	180	XIV, 15	Not Car.
XII, 186	195	XIV, 16	Not Car.
XII, 187	192	XIV, 17	Not Car.
XII, 188	94	XIV, 18	390
XII, 189	95	XIV, 19	387, 388
XII, 190	160	XIV, 20	463
XII, 191	856	XIV, 21	463
XII, 192	101	XIV, 22	439
XIII, 193	102	XIV, 23	440
XIII, 194	103	XIV, 24	442
XIII, 195	100	XV, 25	442
XIII, 196	104	XV, 26	443
XIII, 197	159	XV, 27	435
XIII, 198	130	XV, 28	435
XIII, 199	132	XV, 29	436
XIII, 200	166	XV, 30	435
XIII, 201	202	XV, 31	437
XIII, 202	203	XV, 32	438
XIII, 203	309	XV, 33	424
XIII, 204	311	XV, 34	462
XIII, 205	90	XV, 35	427
XIII, 206	92	XV, 36	428
XIII, 207	91	XV, 37	425
XIII, 208	93	XV, 38	381
XIII, 209	172, 1063	XV, 39	412
XIII, 210	802	XV, 40	410
XIII, 211	141	XV, 41	409, 411
XIII, 212	139a	XV, 42	408
XIII, 213	983	XV, 43	342
XIII, 214	147	XV, 44	378
XIII, 215	115	XV, 45	322

Gariel	Morrison Grunthal	Gariel	Morrison Grunthal
Plate XV, 46	339	Plate XVII, 92	361
XV, 47	338	XVII, 93	361
XV, 48	340	XVII, 94	360
XVI, 49	415	XVII, 95	447
XVI, 50	414	XVII, 96	447
XVI, 51	416	XVII, 97	448
XVI, 52	413	XVIII, 98	445
XVI, 53	329	XVIII, 99	353
XVI, 54	332	XVIII, 100	354
XVI, 55	334	XVIII, 101	354
XVI, 56	335	XVIII, 102	350
XVI, 57	333	XVIII, 103	352
XVI, 58	333	XVIII, 104	351
XVI, 59	330	XVIII, 105	323
XVI, 60	330	XVIII, 106	357
XVI, 61	331	XVIII, 107	356
XVI, 62	465	XVIII, 108	356
XVI, 63	454	XVIII, 109	359
XVI, 64	379	XVIII, 110	358
XVI, 65	444	XVIII, 111	355
XVI, 66	363	XVIII, 112	382
XVI, 67	362	XVIII, 113	429
XVI, 68	398	XVIII, 114	366
XVI, 69	399	XVIII, 115	365
XVI, 70	400	XVIII, 116	Not Car.
XVI, 71	402	XVIII, 117	376
XVI, 72	405	XVIII, 118	376
XVI, 73	396	XVIII, 119	375
XVII, 74	396	XVIII, 120	327
XVII, 75	396	XVIII, 121	326
XVII, 76	397	XIX, 122	326
XVII, 77	321	XIX, 123	325
XVII, 78	345	XIX, 124	328
XVII, 79	346	XIX, 125	419
XVII, 80	451	XIX, 126	421
XVII, 81	450	XIX, 127	422
XVII, 82	449	XIX, 128	417
XVII, 83	384	XIX, 129	418
XVII, 84	383	XIX, 130	418
XVII, 85	430	XIX, 131	371
XVII, 86	432	XIX, 132	367
XVII, 87	431	XIX, 133	368
XVII, 88	373	XIX, 134	368
XVII, 89	372	XIX, 135	368
XVII, 90	320	XIX, 136	370
XVII, 91	320	XIX, 137	344

Gariel	Morrison Grunthal	Gariel	Morrison Grunthal
Plate XIX, 138	453	Plate XXI, 16	813
XIX, 139	453	XXI, 17	920
XIX, 140	456	XXI, 18	920
XIX, 141	456	XXI, 19	981
XIX, 142	458	XXI, 20	982
XIX, 143	455	XXI, 21	980
XIX, 144	347	XXI, 22	1157
XIX, 145	348	XXI, 23	1154
XX, 146	433	XXI, 24	1162
XX, 147	434	XXII, 25	1087
XX, 148	466	XXII, 26	179
XX, 149	467	XXII, 27	186
XX, 150	468	XXII, 28	1055
XX, 151	Not Car.	XXII, 29	1050
XX, 152	Not Car.	XXII, 30	1053
XX, 153	Not Car.	XXII, 31	193, 1049
XX, 154	Not Car.	XXII, 32	196
XX, 155	Not Car.	XXII, 33	193
XX, 1	601	XXII, 34	188
XX, 2	602	XXII, 35	189
XX, 3	598	XXII, 36	183
XX, 4	599	XXII, 37	Not Car.
XX, 5	600	XXII, 38	173
XX, 6	597	XXII, 39	1071
XX, 7	614	XXII, 40	1075
XX, 8	615	XXII, 41	1072
XX, 9	612	XXII, 42	175
XX, 10	613	XXII, 43	174
XX, 11	611	XXII, 44	1069
XX, 12	605	XXII, 45	Not Car.
XX, 13	621	XXII, 46	Not Car.
XXI, 1	989	XXII, 47	1429
XXI, 2	990	XXII, 48	1082
XXI, 3	1067, 1077	XXIII, 49	1082
XXI, 4	932	XXIII, 50	1083
XXI, 5	931	XXIII, 51	1078
XXI, 6	1085	XXIII, 52	1090
XXI, 7	1086	XXIII, 53	1092
XXI, 8	1059	XXIII, 54	1093
XXI, 9	945	XXIII, 55	1091, 1117
XXI, 10	945	XXIII, 56	187
XXI, 11	944	XXIII, 57	1422
XXI, 12	827	XXIII, 58	1063
XXI, 13	715	XXIII, 59	1064
XXI, 14	715	XXIII, 60	1056
XXI, 15	813	XXIII, 61	1057

Gariel	Morrison Grunthal	Gariel	Morrison Grunthal
Plate XXIII, 62	185	Plate XXV, 14	748
XXIII, 63	1003	XXV, 15	739
XXIII, 64	1006	XXV, 16	818
XXIII, 65	802	XXV, 17	819
XXIII, 66	803	XXV, 18	1009
XXIII, 67	1103	XXV, 19	1010
XXIII, 68	1095	XXV, 20	999
XXIII, 69	1101	XXV, 21	996
XXIII, 70	1104	XXV, 22	997
XXIII, 71	1102	XXV, 23	1000
XXIII, 72	1096	XXV, 24	991, 1001
XXIV, 73	147	XXVI, 25	992
XXIV, 74	1089	XXVI, 26	993
XXIV, 75	1110	XXVI, 27	1015
XXIV, 76	1060	XXVI, 28	1016
XXIV, 77	1061	XXVI, 29	965
XXIV, 78	1061	XXVI, 30	964
XXIV, 79	1061	XXVI, 31	968
XXIV, 80	1107	XXVI, 32	962
XXIV, 81	1131	XXVI, 33	972
XXIV, 82	1106	XXVI, 34	959
XXIV, 83	914	XXVI, 35	974
XXIV, 84	1152	XXVI, 36	963
XXIV, 85	1193	XXVI, 37	971
XXIV, 86	1462	XXVI, 38	970
XXIV, 87	1491	XXVI, 39	969
XXIV, 88	1480	XXVI, 40	969
XXIV, 89	1475	XXVI, 41	958
XXIV, 90	167	XXVI, 42	960
XXIV, 91	1464	XXVI, 43	961
XXIV, 92	142	XXVI, 44	967
XXIV, 93	Not Car.	XXVI, 45	887
XXIV, 94	Not Car.	XXVI, 46	889, 890
XXV, 1	641	XXVI, 47	890
XXV, 2	752	XXVI, 48	890
XXV, 3	757	XXVII, 49	1376
XXV, 4	760	XXVII, 50	665
XXV, 5	760	XXVII, 51	1041
XXV, 6	763	XXVII, 52	925
XXV, 7	755	XXVII, 53	924
XXV, 8	767	XXVII, 54	1428
XXV, 9	1407	XXVII, 55	698
XXV, 10	1115	XXVII, 56	Not Car.
XXV, 11	738	XXVII, 57	1112
XXV, 12	741	XXVII, 58	1114
XXV, 13	742	XXVII, 59	660

Gariel	Morrison Grunthal	Gariel	Morrison Grunthal
Plate XXVII, 60	670	Plate XXIX, 106	736, 1111
XXVII, 61	672	XXIX, 107	883
XXVII, 62	674	XXIX, 108	882
XXVII, 63	707	XXIX, 109	884
XXVII, 64	708	XXIX, 110	702
XXVII, 65	822	XXIX, 111	703
XXVII, 66	824	XXIX, 112	704
XXVII, 67	1034	XXIX, 113	705
XXVII, 68	1035	XXIX, 114	1121
XXVII, 69	1036	XXIX, 115	1121
XXVII, 70	922, 1034	XXIX, 116	678
XXVII, 71	933	XXIX, 117	655
XXVII, 72	936	XXIX, 118	861
XXVIII, 73	933	XXIX, 119	863
XXVIII, 74	934	XXIX, 120	976
XXVIII, 75	942	XXX, 121	977
XXVIII, 76	943	XXX, 122	978
XXVIII, 77	941	XXX, 123	977
XXVIII, 78	1602	XXX, 124	1022
XXVIII, 79	953	XXX, 125	794
XXVIII, 80	951	XXX, 126	795
XXVIII, 81	1132	XXX, 127	797
XXVIII, 82	857	XXX, 128	798
XXVIII, 83	858	XXX, 129	905
XXVIII, 84	859	XXX, 130	907
XXVIII, 85	860	XXX, 131	663
XXVIII, 86	662	XXX, 132	885
XXVIII, 87	1116	XXX, 133	886
XXVIII, 88	790	XXX, 134	1038
XXVIII, 89	791	XXX, 135	645
XXVIII, 90	666	XXX, 136	648
XXVIII, 91	667	XXX, 137	646
XXVIII, 92	709	XXX, 138	647
XXVIII, 93	710	XXX, 139	644
XXVIII, 94	895	XXX, 140	904
XXVIII, 95	901	XXX, 141	664
XXVIII, 96	900	XXX, 142	785
XXIX, 97	1118	XXX, 143	786
XXIX, 98	1119	XXX, 144	787
XXIX, 99	893	XXXI, 145	853
XXIX, 100	894	XXXI, 146	852
XXIX, 101	891	XXXI, 147	864
XXIX, 102	651	XXXI, 148	865
XXIX, 103	1023	XXXI, 149	1358
XXIX, 104	1024	XXXI, 150	691
XXIX, 105	1027	XXXI, 151	695

Gariel	Morrison Grunthal	Gariel	Morrison Grunthal
Plate XXXI, 152	692	Plate XXXIII, 198	1381
XXXI, 153	693	XXXIII, 199	1045
XXXI, 154	657	YXXIII, 200	1046
XXXI, 155	658	XXXIII, 201	1042
XXXI, 156	1047	XXXIII, 202	1136
XXXI, 157	1048	XXXIII, 203	1135, 1138
XXXI, 158	1130	XXXIII, 204	1137
XXXI, 159	804	XXXIII, 205	878
XXXI, 160	804	XXXIII, 206	878
XXXI, 161	1007	XXXIII, 207	878
XXXI, 162	659	XXXIII, 208	872
XXXI, 163	660	XXXIII, 209	867
XXXI, 164	948	XXXIII, 210	869
XXXI, 165	947	XXXIII, 211	868
XXXI, 166	949	XXXIII, 212	872
XXXI, 167	950	XXXIII, 213	877
XXXI, 168	628	XXXIII, 214	812
XXXII, 169	629	XXXIII, 215	1011
XXXII, 170	629	XXXIII, 216	1013
XXXII, 171	633	XXXIV, 217	Not Car.
XXXII, 172	633	XXXIV, 218	Not Car.
XXXII, 173	634	XXXIV, 219	843
XXXII, 174	1139	XXXIV, 220	840
XXXII, 175	630	XXXIV, 221	840
XXXII, 176	638	XXXIV, 222	841
XXXII, 177	Not Car.	XXXIV, 223	847
XXXII, 178	1141	XXXIV, 224	1146
XXXII, 179	1142	XXXIV, 225	769
XXXII, 180	1143	XXXIV, 226	675
XXXII, 181	1140, 1144	XXXIV, 227	677
XXXII, 182	833	XXXIV, 228	811
XXXII, 183	833	XXXIV, 229	1014
XXXII, 184	834	XXXIV, 230	1369
XXXII, 185	831	XXXIV, 231	770
XXXII, 186	768	XXXIV, 232	771
XXXII, 187	716	XXXIV, 233	777
XXXII, 188	716	XXXIV, 234	775
XXXII, 189	716	XXXIV, 235	774
XXXII, 190	717	XXXIV, 236	781
XXXII, 191	717	XXXIV, 237	782
XXXII, 192	717	XXXIV, 238	779
XXXIII, 193	814	XXXIV, 239	773
XXXIII, 194	1389	XXXIV, 240	1145
XXXIII, 195	1380	XXXIV, 241	1417
XXXIII, 196	1388	XXXV, 242	Not Car.
XXXIII, 197	1383	XXXV, 243	986

Gariel	Morrison Grunthal	Gariel	Morrison Grunthal
Plate XXXV, 244	986	Plate XXXVII, 290	Not Car.
XXXV, 245	986b	XXXVII, 291	Not Car.
XXXV, 246	986a	XXXVII, 292	Not Car.
XXXV, 247	Not Car.	XXXVII, 293	Not Car.
XXXV, 248	805	XXXVII, 294	Not Car.
XXXV, 249	809	XXXVII, 295	Not Car.
XXXV, 250	806	XXXVII, 296	Not Car.
XXXV, 251	807	XXXVII, 297	Not Car.
XXXV, 252	712	XXXVII, 1	609
XXXV, 253	711	XXXVII, 2	606, 1653
XXXV, 254	714	XXXVII, 3	606, 1654
XXXV, 255	881	XXXVII, 4	608, 1652
XXXV, 256	881	XXXVII, 5	617
XXXV, 257	1148	XXXVII, 6	618
XXXV, 258	1151	XXXVII, 7	618
XXXV, 259	1149	XXXVII, 8	619
XXXV, 260	1028, 1032	XXXVII, 1	Not Car.
XXXV, 261	680	XXXVII, 2	1653
XXXV, 262	681	XXXVII, 3	Not Car.
XXXV, 263	682	XXXVIII, 4	Not Car.
XXXV, 264	682	XXXVIII, 5	1233
XXXVI, 265	1029, 1460	XXXVIII, 6	1232
XXXVI, 266	729	XXXVIII, 7	1226
XXXVI, 267	916	XXXVIII, 8	1223
XXXVI, 268	918	XXXVIII, 9	1228
XXXVI, 269	1150	XXXVIII, 10	1254
XXXVI, 270	1406	XXXVIII, 11	1650
XXXVI, 271	954	XXXVIII, 12	1258
XXXVI, 272	957	XXXVIII, 13	1255
XXXVI, 273	1414	XXXVIII, 1	1243
XXXVI, 274	Not Car.	XXXVIII, 2	Not Car.
XXXVI, 275	Not Car.	XXXVIII, 3	1225
XXXVI, 276	734	XXXVIII, 4	1224
XXXVI, 277	730	XXXVIII, 5	1256
XXXVI, 278	731	XXXVIII, 6	1257
XXXVI, 279	732	XXXVIII, 7	1260
XXXVI, 280	1125	XXXVIII, 8	1229
XXXVI, 281	1435	XXXVIII, 9	1245
XXXVI, 282	684	XXXIX, 1	1211
XXXVI, 283	685	XXXIX, 2	1209
XXXVI, 284	Not Car.	XXXIX, 3	1208
XXXVI, 285	Not Car.	XXXIX, 4	Not Car.
XXXVI, 286	1127	XXXIX, 5	1210
XXXVI, 287	1126	XXXIX, 6	1214
XXXVI, 288	1128	XXXIX, 7	1212
XXXVII, 289	1109	XXXIX, 8	1198

Gariel	Morrison Grunthal	Gariel	Morrison Grunthal
Plate XXXIX, 9	1197	Plate XLI, 32	Not Car.
XXXIX, 10	1194	XLI, 33	Not Car.
XXXIX, 11	1201	XLI, 34	Not Car.
XXXIX, 12	1202	XLI, 35	Not Car.
XXXIX, 13	1200	XLI, 36	Not Car.
XXXIX, 14	811	XLI, 37	Not Car.
XXXIX, 15	1418	XLI, 38	890
XXXIX, 16	1419	XLII, 39	1492
XXXIX, 17	1419	XLII, 40	1493
XXXIX, 18	1420	XLII, 41	1523
XXXIX, 19	1206	XLII, 42	1375
XXXIX, 20	1203	XLII, 43	Not Car.
XXXIX, 21	1204	XLII, 44	1485, 1482
XXXIX, 22	1195	XLII, 45	1481
XXXIX, 23	1196	XLII, 46	890
XL, 1	1352	XLII, 47	890, 1080
XL, 2	1356	XLII, 48	890, 1081
XL, 3	1355	XLII, 49	1471
XL, 4	640	XLII, 50	623
XL, 5	652	XLII, 51	624
XL, 6	653	XLII, 52	828
XL, 7	Not Car.	XLII, 53	829
XL, 8	706	XLII, 54	1371
XL, 9	1374	XLII, 55	728
XL, 10	1496	XLII, 56	1445
XL, 11	1502	XLII, 57	1488
XL, 12	1497	XLII, 58	1488
XL, 13	1469	XLII, 59	1457
XL, 14	1470	XLIII, 1	469
XL, 15	1461	XLIII, 2	469
XL, 16	1441	XLIII, 3	472, 506
XL, 17	1446	XLIII, 4	489
XL, 18	1447	XLIII, 5	507
XL, 19	1444	XLIII, 6	472
XL, 20	1494	XLIII, 7	472
XLI, 21	1495	XLIII, 8	472
XLI, 22	Not Car.	XLIII, 9	494
XLI, 23	1459	XLIII, 10	501
XLI, 24	1460	XLIII, 11	496
XLI, 25	1522	XLIII, 12	487
XLI, 26	1456	XLIII, 13	498
XLI, 27	Not Car.	XLIII, 14	472
XLI, 28	Not Car.	XLIII, 15	Not Car.
XLI, 29	Not Car.	XLIII, 16	1616
XLI, 30	Not Car.	XLIII, 17	Not Car.
XLI, 31	Not Car.	XLIII, 18	495

Gariel	Morrison Grunthal	Gariel	Morrison Grunthal
Plate XLIII, 19	490	Plate XLV, 65	1161
XLIII, 20	Not Car.	XLV, 66	1161
XLIII, 21	478	XLV, 67	Not Car.
XLIII, 22	478	XLV, 68	Not Car.
XLIII, 23	478	XLV, 69	1437
XLIII, 24	476	XLV, 70	1438
XLIV, 25	482	XLVI, 1	1270
XLIV, 26	505	XLVI, 2	913
XLIV, 27	Not Car.	XLVI, 3	1293
XLIV, 28	481	XLVI, 4	1291
XLIV, 29	Not Car.	XLVI, 5	1290
XLIV, 30	Not Car.	XLVI, 6	1292
XLIV, 31	Not Car.	XLVI, 7	1291
XLIV, 32	Not Car.	XLVI, 8	1268
XLIV, 33	Not Car.	XLVI, 9	1309
XLIV, 34	Not Car.	XLVI, 10	1308
XLIV, 35	Not Car.	XLVI, 11	1310
XLIV, 36	Not Car.	XLVI, 12	1330
XLIV, 37	Not Car.	XLVI, 13	1328
XLIV, 38	Not Car.	XLVI, 14	1329
XLIV, 39	Not Car.	XLVI, 15	1344
XLIV, 40	Not Car.	XLVI, 16	1344
XLIV, 41	Not Car.	XLVI, 17	1326
XLIV, 42	Not Car.	XLVI, 18	1327
XLIV, 43	Not Car.	XLVI, 19	1315
XLIV, 44	Not Car.	XLVI, 20	1319
XLIV, 45	Not Car.	XLVI, 21	1320
XLIV, 46	Not Car.	XLVI, 22	1318
XLIV, 47	Not Car.	XLVI, 23	1345
XLIV, 48	Not Car.	XLVI, 24	1271
XLIV, 49	508a	XLVII, 25	1289
XLV, 50	508a	XLVII, 26	1332
XLV, 51	Not Car.	XLVII, 27	1334
XLV, 52	Not Car.	XLVII, 28	1336
XLV, 53	Not Car.	XLVII, 29	1335
XLV, 54	Not Car.	XLVII, 30	1278
XLV, 55	319	XLVII, 31	1321
XLV, 56	318	XLVII, 32	1324
XLV, 57	317	XLVII, 33	1323
XLV, 58	317	XLVII, 34	1266
XLV, 59	317	XLVII, 35	1267
XLV, 60	1155	XLVII, 36	1264
XLV, 61	1157	XLVII, 37	1265
XLV, 62	1436	XLVII, 38	1285
XLV, 63	1156	XLVII, 39	1284
XLV, 64	1167	XLVII, 40	1283

Gariel	Morrison Grunthal	Gariel	Morrison Grunthal
Plate XLVII, 41	1281	Plate XLIX, 22	Not Car.
XLVII, 42	1282	XLIX, 23	Not Car.
XLVII, 43	1282	XLIX, 24	Not Car.
XLVII, 44	1287	L, 25	Not Car.
XLVII, 45	1286	L, 26	939
XLVII, 46	1288	L, 27	Not Car.
XLVII, 47	1277	L, 28	Not Car.
XLVII, 48	1274	L, 29	656
XLVIII, 49	1325	L, 30	1021
XLVIII, 50	1279	L, 31	792
XLVIII, 51	1280	L, 32	792
XLVIII, 52	1341	L, 33	793
XLVIII, 53	1339	L, 34	799
XLVIII, 54	1340	L, 35	1404
XLVIII, 55	1342	L, 36	911
XLVIII, 56	1304	L, 37	1421
XLVIII, 57	1295	L, 38	1400
XLVIII, 58	1299	L, 39	Not Car.
XLVIII, 59	1294	L, 40	Not Car.
XLVIII, 1	1605	L, 41	850
XLVIII, 2	1597	L, 42	1397
XLVIII, 3	1300	L, 43	1398
XLVIII, 4	1301	L, 44	1399
XLVIII, 5	Not Car.	L, 45	Not Car.
XLVIII, 6	Not Car.	L, 46	117
XLIX, 1	1408	L, 47	1359
XLIX, 2	1408	L, 48	1360
XLIX, 3	745	LI, 49	1361
XLIX, 4	1410	LI, 50	1361
XLIX, 5	1401	LI, 51	1005
XLIX, 6	1402	LI, 52	627
XLIX, 7	700	LI, 53	625
XLIX, 8	1577	LI, 54	837
XLIX, 9	1425	LI, 55	825, 826
XLIX, 10	1426	LI, 56	1394
XLIX, 11	Not Genuine	LI, 57	1391
XLIX, 12	1424	LI, 58	1392
XLIX, 13	1424	LI, 59	1395
XLIX, 14	926	LI, 60	718
XLIX, 15	929	LI, 61	1387
XLIX, 16	156	LI, 62	1386
XLIX, 17	1432	LI, 63	1382
XLIX, 18	1431	LI, 64	1385
XLIX, 19	1390	LI, 65	1384
XLIX, 20	Not Car.	LI, 66	Not Car.
XLIX, 21	Not Car.	LI, 67	1043

Gariel	Morrison Grunthal	Gariel	Morrison Grunthal
Plate LI, 68	1044	Plate LIII, 21	1411
LI, 69	1396	LIII, 22	1609
LI, 70	1370	LIII, 23	1276
LI, 71	1415	LIII, 24	800
LI, 72	1348	LIV, 25	1405
LII, 73	1350	LIV, 26	1611
LII, 74	1346	LIV, 27	1039
LII, 75	1347	LIV, 28	1589
LII, 76	1364	LIV, 29	1613
LII, 77	1365	LIV, 30	1608
LII, 78	1489	LIV, 31	1598
LII, 79	1490	LIV, 32	1598
LII, 80	1098	LIV, 33	1598
LII, 81	1105	LIV, 34	1322
LII, 82	1433	LIV, 35	1600
LII, 83	1357	LIV, 36	1599
LII, 84	1434	LIV, 37	1582
LII, 85	1435	LIV, 38	1583
LII, 86	689	LIV, 39	Not Car.
LII, 87	1367	LIV, 40	1585
LII, 88	1366	LIV, 41	1614
LII, 89	Not Car.	LIV, 42	1586
LII, 90	Not Car.	LIV, 43	1586
LII, 91	Not Car.	LIV, 44	1607
LII, 92	Not Car.	LIV, 45	1580
LII, 93	Not Car.	LIV, 46	1568
LIII, 1	1612	LV, 1	1645
LIII, 2	1595	LV, 2	1641
LIII, 3	1578	LV, 3	1639
LIII, 4	1579	LV, 4	1640
LIII, 5	1615	LV, 5	1642
LIII, 6	1610	LV, 6	1631
LIII, 7	1331	LV, 7	1631
LIII, 8	1604	LV, 8	1632
LIII, 9	1602	LV, 9	1231
LIII, 10	1592	LV, 10	1636
LIII, 11	1593	LV, 11	1637
LIII, 12	1592	LV, 12	1638
LIII, 13	1275	LV, 13	1643
LIII, 14	1594	LV, 14	1643
LIII, 15	1	LV, 15	1619, 1620
LIII, 16	Not Car.	LV, 16	1620
LIII, 17	Not Car.	LV, 17	1617
LIII, 18	Not Car.	LV, 18	1633
LIII, 19	1605	LV, 19	1634
LIII, 20	1606	LV, 20	1635

Gariel	Morrison Grunthal	Gariel	Morrison Grunthal
Plate LV, 21	1251	Plate LVIII, 1	1647
LV, 22	1251	LVIII, 2	1648
LV, 23	1248	LVIII, 3	1649
LV, 24	1246	LVIII, 4	1249
LVI, 25	1250	LIX, 1	568
LVI, 26	1247	LIX, 2	563, 568
LVI, 27	1626	LIX, 3	563
LVI, 28	1627	LIX, 4	564
LVI, 29	1630	LIX, 5	562
LVI, 30	Not Car.	LIX, 6	565
LVI, 31	Not Car.	LIX, 7	568
LVI, 32	Not Car.	LIX, 8	585
LVI, 33	1567	LIX, 9	583
LVI, 34	1568	LIX, 10	571
LVI, 35	1569	LIX, 11	572
LVI, 36	1621	LIX, 12	Not Car.
LVI, 37	1623	LIX, 13	555
LVI, 38	1624	LIX, 14	543
LVI, 39	1622	LIX, 15	522
LVI, 1	1656	LIX, 16	524
LVI, 2	1657	LIX, 17	525
LVI, 3	Not Car.	LIX, 18	541
LVI, 4	1682	LIX, 19	547
LVI, 5	1680	LIX, 20	550
LVI, 6	1666	LIX, 21	558
LVII, 7	1666	LIX, 22	516
LVII, 8	1667	LIX, 23	520
LVII, 9	1672	LIX, 24	556
LVII, 10	1673	LX, 25	553
LVII, 11	1679	LX, 26	546
LVII, 12	1663	LX, 27	559
LVII, 13	1681	LX, 28	560
LVII, 14	1412	LX, 29	551
LVII, 15	Not Car.	LX, 30	551
LVII, 16	Not Car.	LX, 31	Not Car.
LVII, 17	1664	LX, 32	Not Car.
LVII, 18	1665	LX, 33	Not Car.
LVII, 19	Not Genuine	LX, 34	Not Car.
LVII, 20	1661	LX, 35	Not Car.
LVII, 21	Not Car.	LX, 36	Not Car.
LVII, 22	Not Car.	LX, 37	Not Car.
LVII, 23	Not Car.	LX, 38	Not Car.
LVII, 24	1660	LX, 39	Not Car.
LVII, 25	1191	LX, 1	1186
LVII, 26	1192	LX, 2	1183
LVII, 27	1658	LX, 3	1185

Gariel	Morrison Grunthal	Gariel	Morrison Grunthal
Plate LX, 4	1188	Plate LXIII, 4	Not Car.
LX, 5	1189	LXIII, 5	Not Car.
LX, 6	1190	LXIII, 6	Not Car.
LXI, 1	1571	LXIII, 1	1544
LXI, 2	1553	LXIII, 2	1545
LXI, 3	Not Car.	LXIV, 1	Not Car.
LXI, 4	Not Car.	LXIV, 1	1566
LXI, 5	Not Car.	LXIV, 2	1547
LXI, 6	1552	LXIV, 3	1546
LXI, 7	1552	LXIV, 4	Not Car.
LXI, 8	1552	LXIV, 5	1548
LXI, 9	1556	LXIV, 6	1548
LXI, 10	594	LXIV, 7	596
LXI, 11	Not Car.	LXIV, 8	1242
LXI, 12	Not Car.	LXIV, 9	1655
LXI, 13	Not Car.	LXIV, 10	1562
LXI, 14	Not Car.	LXIV, 11	1563
LXI, 15	446	LXIV, 12	1239
LXI, 16	1180	LXIV, 13	1236
LXI, 17	1176	LXIV, 14	1237
LXI, 18	1178	LXIV, 15	1234
LXI, 19	1179	LXIV, 16	1616
LXI, 20	Not Car.	LXIV, 17	1549
LXII, 1	1217	LXIV, 18	1557
LXII, 1	1262	LXIV, 19	1559
LXII, 2	1263	LXIV, 20	1559
LXII, 1	Not Car.	LXV, 1	Not Car.
LXII, 2	Not Car.	LXV, 2	Not Car.
LXII, 3	Not Car.	LXV, 3	Not Car.
LXII, 4	Not Car.	LXV, 4	Not Car.
LXII, 5	Not Car.	LXV, 5	Not Car.
LXII, 1	1533, 1540	LXV, 6	Not Car.
LXII, 2	1541	LXV, 7	Not Car.
LXII, 3	Not Car.	LXV, 1	Not Car.
LXIII, 1	Not Car.	LXV, 2	Not Car.
LXIII, 2	Not Car.	LXV, 3	Not Car.
LXIII, 3	Not Car.	LXV, 4	Not Car.
LXIII, 4	Not Car.	LXV, 1	Not Car.
LXIII, 5	Not Car.	LXV, 2	Not Car.
LXIII, 6	Not Car.	LXV, 3	Not Car.
LXIII, 7	Not Car.	LXV, 4	Not Car.
LXIII, 8	Not Car.	LXV, 5	Not Car.
LXIII, 9	Not Car.	LXVI, 1	Not Car.
LXIII, 1	1574	LXVI, 2	Not Car.
LXIII, 2	1573	LXVI, 3	Not Car.
LXIII, 3	1576	LXVI, 4	Not Car.

Gariel	Morrison Grunthal	Gariel	Morrison Grunthal
Plate LXVI, 5	Not Car.	Plate LXVIII, 1	Not Car.
LXVI, 6	Not Car.	LXVIII, 2	Not Car.
LXVI, 7	Not Car.	LXVIII, 3	Not Car.
LXVI, 8	Not Car.	LXVIII, 4	Not Car.
LXVI, 9	Not Car.	LXVIII, 5	Not Car.
LXVI, 1	Not Car.	LXVIII, 6	Not Car.
LXVI, 2	Not Car.	LXVIII, 7	Not Car.
LXVI, 3	Not Car.	LXVIII, 8	Not Car.
LXVII, 1	Not Car.	LXVIII, 9	Not Car.
LXVII, 2	Not Car.	LXVIII, 10	Not Car.
LXVII, 3	Not Car.	LXVIII, 11	Not Car.
LXVII, 4	Not Car.	LXVIII, 12	Not Car.
LXVII, 5	Not Car.	LXVIII, 13	Not Car.
LXVII, 6	Not Car.	LXVIII, 14	Not Car.
LXVII, 7	Not Car.	LXVIII, 15	Not Car.
LXVII, 1	Not Car.	LXVIII, 16	Not Car.
LXVII, 2	Not Car.	LXVIII, 17	Not Car.
LXVII, 3	1683	LXVIII, 18	Not Car.
LXVII, 1	Not Car.	LXVIII, 19	Not Car.

CONCORDANCE: PROU - MORRISON-GRUNTHAL

Prou	Morrison Grunthal	Prou	Morrison Grunthal	Prou	Morrison Grunthal
1	Not Car.	41	95	81	1560
2	47	42	96	82	1352
3	47	43	324	83	1353
4	47	44	326	84	107
5	55	45	326	85	241
6	241	46	327	86	Not Car.
7	274	47	1183	87	109
8	322	48	1550	88	648
9	322	49	1554	89	645
10	322	50	1551	90	1441
11	516	51	1552	91	1442
12	625	52	1555	92	1226
13	625	53	1555	93	1227
14	625	54	1348	94	1230
15	626	55	1351	95	110
16	622	56	99	96	111
17	622	57	99	97	654
18	622	58	99	98	655
19	622	59	99	99	1232
20	629	60	99	100	235
21	631	61	99	101	657
22	632	62	100	102	1562
23	639	63	330	103	1239
24	635	64	330	104	661
25	637	65	332	105	662
26	1224	66	333	106	1443
27	1267	67	333	107	663
28	1266	68	334	108	664
29	1264	69	521	109	664
30	91	70	523	110	665
31	91	71	524	111	665
32	92	72	524	112	113
33	93	73	524	113	666
34	323	74	525	114	342
35	594	75	526	115	342
36	1532	76	527	116	669
37	1533	77	529	117	669
38	1548	78	530	118	673
39	1548	79	339	119	671
40	94	80	1559	120	672

Prou	Morrison Grunthal	Prou	Morrison Grunthal	Prou	Morrison Grunthal
121	674	167	690	213	1461
122	677	168	693	214	123
123	675	169	694	215	737
124	676	170	695	216	738
125	1445	171	696	217	740
126	344	172	697	218	711
127	546	173	698	219	742
128	1566	174	699	220	748
129	549	175	702	221	749
130	1241	176	704	222	1268
131	1359	177	705	223	1269
132	1360	178	707	224	743
133	1362	179	709	225	744
134	1243	180	712	226	746
135	1243	181	711	227	10
136	1535	182	713	228	125
137	1567	183	714	229	125
138	1568	184	69	230	126
139	1364	185	1371	231	760
140	1364	186	349	232	751
141	1365	187	351	233	756
142	8	188	353	234	756
143	118	189	1167	235	758
144	119	190	715	236	754
145	347	191	716	237	764
146	347	192	716	238	759
147	551	193	716	239	760
148	1188	194	716	240	760
149	1187a	195	717	241	763
150	685	196	720	242	767
151	683	197	719	243	767
152	683	198	722	244	1272
153	688	199	723	245	1273
154	1457	200	718	246	775
155	1449	201	726	247	776
156	1452	202	727	248	777
157	1452	203	122	249	772
158	1452	204	1459	250	783
159	1453	205	1460	251	779
160	1453	206	733	252	780
161	1453	207	735	253	772
162	1454	208	730	254	773
163	1456	209	730	255	784
164	1455	210	731	256	1375
165	1366	211	732	257	1375
166	1368	212	1373	258	1376

Prou	Morrison Grunthal	Prou	Morrison Grunthal	Prou	Morrison Grunthal
259	1579	305	1281	351	847
260	1578	306	1282	352	1286
261	1577	307	1250	353	1287
262	785	308	817	354	1396
263	786	309	818	355	1586
264	789	310	818	356	1587
265	791	311	821	357	1588
266	790	312	821	358	857
267	131	313	824	359	363
268	128	314	823	360	363
269	792	315	35	361	363
270	794	316	229	362	853
271	794	317	361	363	853
272	794	318	361	364	854
273	796	319	361	365	855
274	797	320	361	366	851
275	798	321	826	367	1661
276	1245	322	826	368	861
277	1278	323	827	369	862
278	805	324	833	370	864
279	805	325	835	371	864
280	805	326	830	372	864
281	805	327	831	373	1662
282	806	328	832	374	1254
283	807	329	832	375	1254
284	808	330	836	376	366
285	810	331	836	377	366
286	1279	332	838	378	878
287	1280	333	1283	379	878
288	812	334	1391	380	888
289	136-138	335	1393	381	874
290	137-139	336	1394	382	875
291	133	337	1582	383	873
292	134	338	1583	384	868
293	356	339	1584	385	876
294	357	340	1585	386	870
295	357	341	1251	387	871
296	813	342	840	388	872
297	813	343	840	389	866
298	814	344	843	390	1625
299	815	345	843	391	1625
300	816	346	842	392	1628
301	1389	347	844	393	1629
302	1389	348	845	394	Not Car.
303	1379	349	846	395	Not Car.
304	1385	350	846	396	881

Prou	Morrison Grunthal	Prou	Morrison Grunthal	Prou	Morrison Grunthal
397	882	443	147	489	154
398	882	444	368	490	932
399	883	445	368	491	935
400	885	446	371	492	936
401	886	447	371	493	935
402	886	448	367	494	935
403	887	449	915	495	935
404	887	450	916	496	934
405	889	451	916	497	1315
406	891	452	917	498	937
407	893	453	1255	499	938
408	897	454	1255	500	1592
409	897	455	1255	501	941
410	897	456	1255	502	940
411	895	457	1255	503	943
412	896	458	1255	504	1317
413	898	459	1256	505	1319
414	898	460	1257	506	1504
415	899	461	1295	507	372
416	901	462	1296	508	944
417	1289	463	1297	509	944
418	1590	464	1304	510	944
419	904	465	1304	511	944
420	905	466	1305	512	944
421	905	467	1306	513	945
422	905	468	1299	514	945
423	906	469	1301	515	948
424	907	470	1631	516	948
425	908	471	923	517	948
426	909	472	923	518	948
427	910	473	928	519	940
428	911	474	928	520	940
429	912	475	928	521	1409
430	912	476	929	522	1321
431	912	477	930	523	1323
432	1291	478	926	524	1323
433	1291	479	927	525	1598
434	1291	480	1258	526	1598
435	1292	481	1309	527	1508
436	1291	482	1311	528	1600
437	1291	483	1311	529	1595
438	1408	484	1309	530	1596
439	19	485	1313	531	951
440	149	486	1308	532	951
441	920	487	925	533	951
442	921	488	153	534	951

Prou	Morrison Grunthal	Prou	Morrison Grunthal	Prou	Morrison Grunthal
535	952	581	1325	627	164
536	1194	582	987	628	165
537	1601	583	987	629	166
538	1602	584	998	630	379
539	1605	585	998	631	379
540	21	586	999	632	380
541	161	587	1000	633	1038
542	162	588	994	634	1683
543	954	589	991	635	1683
544	955	590	1197	636	1683
545	1195	591	1197	637	1683
546	957	592	1463	638	Not Car.
547	956	593	1007	639	Not Car.
548	1259	594	1007	640	Not Car.
549	1413	595	1002	641	Not Car.
550	275	596	1464	642	Not Car.
551	958	597	1465	643	Not Car.
552	959	598	1467	644	Not Car.
553	967	599	1009	645	Not Car.
554	970	600	1011	646	Not Car.
555	971	601	1011	647	Not Car.
556	969	602	1012	648	1041
557	969	603	1419	649	169
558	968	604	1015	650	170
559	961	605	1017	651	1045
560	962	606	1016	652	1045
561	960	607	1019	653	384
562	965	608	1020	654	1047
563	966	609	1022	655	385
564	975	610	1471	656	386
565	374	611	1636	657	389
566	376	612	1637	658	388
567	376	613	1025	659	601
568	377	614	1026	660	601
569	1416	615	1027	661	602
570	1415	616	1031	662	603
571	980	617	1472	663	604
572	980	618	1473	664	598
573	981	619	1474	665	597
574	982	620	1476	666	600
575	982	621	1477	667	600
576	983	622	1663	668	1049
577	984	623	1663	669	1050
578	984	624	1664	670	1051
579	986	625	1665	671	1052
580	985	626	24	672	1053

Prou	Morrison Grunthal	Prou	Morrison Grunthal	Prou	Morrison Grunthal
397	882	443	147	489	154
398	882	444	368	490	932
399	883	445	368	491	935
400	885	446	371	492	936
401	886	447	371	493	935
402	886	448	367	494	935
403	887	449	915	495	935
404	887	450	916	496	934
405	889	451	916	497	1315
406	891	452	917	498	937
407	893	453	1255	499	938
408	897	454	1255	500	1592
409	897	455	1255	501	941
410	897	456	1255	502	940
411	895	457	1255	503	943
412	896	458	1255	504	1317
413	898	459	1256	505	1319
414	898	460	1257	506	1594
415	899	461	1295	507	372
416	901	462	1296	508	944
417	1289	463	1297	509	944
418	1590	464	1304	510	944
419	904	465	1304	511	944
420	905	466	1305	512	944
421	905	467	1306	513	945
422	905	468	1299	514	945
423	906	469	1301	515	948
424	907	470	1631	516	948
425	908	471	923	517	948
426	909	472	923	518	948
427	910	473	928	519	949
428	911	474	928	520	949
429	912	475	928	521	1409
430	912	476	929	522	1321
431	912	477	930	523	1323
432	1291	478	926	524	1323
433	1291	479	927	525	1598
434	1291	480	1258	526	1598
435	1292	481	1309	527	1598
436	1291	482	1311	528	1600
437	1291	483	1311	529	1595
438	1408	484	1309	530	1596
439	19	485	1313	531	951
440	149	486	1308	532	951
441	920	487	925	533	951
442	921	488	153	534	951

Prou	Morrison Grunthal	Prou	Morrison Grunthal	Prou	Morrison Grunthal
535	952	581	1325	627	164
536	1194	582	987	628	165
537	1601	583	987	629	166
538	1602	584	998	630	379
539	1605	585	998	631	379
540	21	586	999	632	380
541	161	587	1000	633	1038
542	162	588	994	634	1683
543	954	589	991	635	1683
544	955	590	1197	636	1683
545	1195	591	1197	637	1683
546	957	592	1463	638	Not Car.
547	956	593	1007	639	Not Car.
548	1259	594	1007	640	Not Car.
549	1413	595	1002	641	Not Car.
550	275	596	1464	642	Not Car.
551	958	597	1465	643	Not Car.
552	959	598	1467	644	Not Car.
553	967	599	1009	645	Not Car.
554	970	600	1011	646	Not Car.
555	971	601	1011	647	Not Car.
556	969	602	1012	648	1041
557	969	603	1419	649	169
558	968	604	1015	650	170
559	961	605	1017	651	1045
560	962	606	1016	652	1045
561	960	607	1019	653	384
562	965	608	1020	654	1047
563	966	609	1022	655	385
564	975	610	1471	656	386
565	374	611	1636	657	389
566	376	612	1637	658	388
567	376	613	1025	659	601
568	377	614	1026	660	601
569	1416	615	1027	661	602
570	1415	616	1031	662	603
571	980	617	1472	663	604
572	980	618	1473	664	598
573	981	619	1474	665	597
574	982	620	1476	666	600
575	982	621	1477	667	600
576	983	622	1663	668	1049
577	984	623	1663	669	1050
578	984	624	1664	670	1051
579	986	625	1665	671	1052
580	985	626	24	672	1053

Prou	Morrison Grunthal	Prou	Morrison Grunthal	Prou	Morrison Grunthal
673	1054	719	398	765	1083
674	1053	720	406	766	1083
675	391	721	401	767	1084
676	391	722	402	768	1078
677	605	723	402	769	1079
678	Not Car.	724	403	770	1081
679	Not Car.	725	404	771	1081
680	Not Car.	726	1056	772	1611
681	268	727	1056	773	260
682	268	728	173	774	261
683	268	729	174	775	612
684	268	730	174	776	613
685	268	731	174	777	1201
686	268	732	174	778	1202
687	268	733	408	779	1332
688	172	734	410	780	1332
689	606	735	610	781	1332
690	606	736	1068	782	1332
691	608	737	1069	783	1332
692	1063	738	1069	784	1333
693	1063	739	1071	785	1333
694	1063	740	1071	786	1336
695	1063	741	1072	787	1336
696	1063	742	1073	788	1612
697	1063	743	1479	789	412
698	1063	744	1479	790	555
699	1064	745	1480	791	1087
700	1064	746	1480	792	177
701	1064	747	1484	793	178
702	1065	748	1486	794	179
703	1060	749	Not Car.	795	1089
704	1060	750	1328	796	415
705	1060	751	1330	797	416
706	1061	752	1645	798	1090
707	1061	753	1678	799	1092
708	1061	754	1679	800	181
709	394	755	1672	801	181
710	394	756	1674	802	181
711	395	757	1675	803	417
712	396	758	1666	804	418
713	396	759	1668	805	419
714	397	760	1669	806	420
715	398	761	1669	807	616
716	398	762	86	808	617
717	398	763	176	809	618
718	398	764	1082	810	618

Prou	Morrison Grunthal	Prou	Morrison Grunthal	Prou	Morrison Grunthal
811	618	857	436	903	447
812	618	858	437	904	556
813	1103	859	439	905	212
814	1102	860	441	906	212
815	1104	861	1499	907	449
816	1096	862	1423	908	449
817	1097	863	1211	909	451
818	1650	864	1213	910	558
819	1203	865	1207	911	215
820	1204	866	1208	912	220
821	1488	867	1208	913	453
822	1490	868	1208	914	453
823	1340	869	1496	915	223
824	1338	870	1498	916	223
825	1339	871	1501	917	456
826	1337	872	1500	918	456
827	424	873	1503	919	457
828	424	874	1504	920	457
829	187	875	1505	921	560
830	426	876	1506	922	42
831	427	877	1507	923	16
832	428	878	1508	924	18
833	429	879	1509	925	50
834	Not Car.	880	1514	926	70
835	185	881	1515	927	73
836	430	882	1653	928	11
837	431	883	1654	929	81
838	431	884	200	930	244
839	432	885	201	931	247
840	1205	886	444	932	248
841	1206	887	237	933	252
842	433	888	238	934	250
843	434	889	238	935	262
844	1109	890	238	936	262
845	1108	891	226	937	262
846	1262	892	226	938	157
847	1572	893	231	939	274
848	1573	894	232	940	280
849	1575	895	233	941	305
850	1575	896	308	942	310
851	190	897	207	943	311
852	194	898	209	944	1429
853	196	899	210	945	1112
854	197	900	445	946	1114
855	195	901	445	947	1114
856	435	902	447	948	1114

Prou	Morrison Grunthal	Prou	Morrison Grunthal	Prou	Morrison Grunthal
949	Not Car.	990	472	1031	472
950	1115	991	472	1032	472
951	894	992	472	1033	473
952	802	993	472	1034	472
953	804	994	472	1035	472
954	804	995	472	1036	472
955	1132	996	472	1037	472
956	1132	997	472	1038	472
957	1137	998	472	1039	472
958	1135, 1138	999	472	1040	472
959	1136	1000	472	1041	472
960	1134	1001	472	1042	508a
961	770	1002	472	1043	509
962	1146	1003	472	1044	510
963	1147	1004	472	1045	511
964	1150	1005	473	1046	512
965	1148	1006	472	1047	513
966	1434	1007	472	1048	562
967	1435	1008	472	1049	563
968	1124	1009	472	1050	564
969	1124	1010	489	1051	585
970	1126	1011	472	1052	585
971	596	1012	472	1053	583
972	313	1013	472	1054	582
973	1431	1014	472	1055	1570
974	1432	1015	472	1056	621
975	1571	1016	472	1057	1157
976	Not Car.	1017	472	1058	1155
977	Not Car.	1018	481	1059	1158
978	Not Car.	1019	473	1060	1154
979	1119	1020	473	1061	1154
980	25	1021	473	1062	1159
981	318	1022	473	1063	1159
982	314	1023	473	1064	1157
983	317	1024	473	1065	1157
984	469	1025	482	1066	1153
985	469	1026	472	1067	1436
986	469	1027	472	1068	1437
987	472	1028	472	1069	1438
988	472	1029	472	1070	514
989	472	1030	472	1071	515

INDEX TO THE CATALOGUE

OBVERSE INSCRIPTIONS

The numbers after each entry refer to the numbers in the catalogue.

- ARNOLDVSRE 1532, 1533
ARNULFVSPIVSREX 1536, 1537
ARNVLFVSPIVSRE 1538-1541
ARNVLFVSREX 1534, 1535

BOSOGRACIADEI 1262, 1263

CAILVS, in two lines 281
CALVSREXIIER 310
CAREIIAIII 1212
CARELEMANVSREX 1219
CARIVSIMIR 1489
CARLAMANVSRE 1203
CARLAS, in two lines 1058
CARLEMAIVSRE 1207, 1208
CARLEMANNVSII 1209
CARLEMANNVSREX 1215
CARLEMANNVSRI 1221
CARLEMANREX 1205, 1217
CARLEMANVSPE 1210
CARLEMANVSRE 1211, 1213, 1214
CARLENAMREX 1195
CARLGRATD-I 1418
CARLM 86, 87
CARLOM, in two lines 88, 89
CARLOMANRE 1200, 1204, 1206
CARLOMANRX 1199, 1201, 1202
CARLOMIINVS 1198

CARLRF, in two lines 96
CARLVS, in two lines 119, 124,
155, 165, 169, 243, 244, 257,
261-264, 271, 276, 278, 287,
291, 307
CARLVSCRACIADERE 706
CARLVSEXF 1103
CARLVSEXFR 101, 177
CARLVSEXR 1051
CARLVSIIPERAT 1498
CARLVSIMP 1491, 1492
CARLVSIMPAVC 1464-1468, 1479-
1487
CARLVSIMPERAT 1517
CARLVSIMPET 1513
CARLVSIMPR 1488
CARLVSIMR 1490
CARLVSIMREA 1524
CARLVSINERAT 1506
CARLVSINPERA 1499-1501, 1510,
1516, 1522, 1523
CARLVSINPERAT 1496, 1497
CARLVSINPERI 1502
CARLVSINPR 1493
CARLVSINRER 1503, 1504
CARLVSINREV 1507
CARLVSNPEART 1508, 1509, 1514
CARLVSNPEAT 1511, 1515

- CARLVSNPERT 1505
 CARLVSPI 1068
 CARLVSPIX 1438, 1439
 CARLVSR, in three lines 156
 CARLVSR 157
 CARLVSRE 175, 1069, 1070, 1105, 1374
 CARLVSREF 1373
 CARLVSREX 188, 715, 825, 826, 848-850, 919-921, 931, 1002-1006, 1052, 1053, 1066, 1071-1076, 1078-1084, 1088, 1097, 1098, 1156, 1414, 1416, 1423-1427, 1429, 1430, 1436, 1437
 CARLVSREXER 311, 1161
 CARLVSREXETLANETR 643
 CARLVSREXF 159, 160, 932, 1096, 1101, 1104,
 CARLVSREXFR 90-95, 100, 102, 103, 106, 115, 130-132, 139a, 141, 147, 166, 172-174, 179-181, 183, 185-187, 189, 191-197, 202, 203, 207-210, 212, 220, 223, 224, 308, 309, 312, 788, 802, 803, 827, 856, 944-946, 981-983, 1049, 1056, 1057, 1063, 1064, 1067, 1077, 1087, 1090-1095, 1099, 1100, 1102, 1117, 1157-1159, 1164, 1165, 1169, 1371, 1372, 1422
 CARLVSREXFRA 1154
 CAROLVSREXFRAN 1375, 1376
 CARLVSREXFRANCO 1059, 1153
 CARLVSREXFRETLANGACPATRO M 308
 CARLVSREXP 1050, 1065
 CARLVSREXR 1062
 CARLVSRPACIARE 627
 CARLVSRXFR 178
 CARO 83, 85
 CAROLREX, in three lines 126
 CAROLVS 212a, 1366-1368
 CAROLVS, in two lines 97-99, 107-114, 117, 118, 120-123, 125, 127-129, 135, 139, 140, 143-146, 148-154, 158, 161, 162, 164, 168, 170, 171, 176, 182, 184, 190, 199-201, 204-206, 211, 213, 214, 221, 222, 225-238, 240-242, 245-256, 258, 260, 261, 266-275, 277, 279, 280, 282-285, 288, 290, 292-294, 296-300, 303, 304, 306
 CAROLVSIMP 1530
 CAROLVSIMPAV 1462, 1463(?)
 CAROLVSINRA 1443
 CAROLVSINRAT 1444
 CAROLVSREAFR 988, 989
 CAROLVSREX 622-626, 828, 829, 1167, 1357
 CAROLVSREXCR 784a
 CAROLVSREXEQ 1193
 CAROLVSREXFR 784, 813, 981, 987, 990, 1037, 1166, 1400
 CAROLVSREXPIVS 792
 CARLVSREXR 1421
 CAROLVSRXE 1162
 CARTVSREX 1033
 CLAROMVNX 1216
 COLVSREXFR 104
 CONRADVS 1683
 CRLIMANSREI 1196

- DNHLVDOVVICVSIMPAVG 514,
515
DNKARLVSIMPAVGREXFETL 198,
314
DNKAROLVSIMAVD 315, 316
DNLOTARIVSIMPERAVG 593
DNPIPI 5
DNPP 3, 4
DOMLVDVVICVS 1176
DOMPIPI 53

FIVDOVVIC, in two lines 349

GRATIAD-I 1275-1277, 1285, 1319,
1320, 1323, 1324, 1431
GRATIAD-IMPER 1459, 1460
GRATIAD-IREX 628-641, 644-705,
707-783, 785-787, 789-791,
794-801, 804-812, 814-824,
830-847, 851-855, 857-913,
915-918, 922-930, 933-943,
947-979, 984-986b, 992-1001,
1007-1032, 1034-1036, 1038-
1048, 1108, 1109, 1111-1116,
1118-1130, 1132-1151, 1225,
1235-1237, 1241, 1243, 1245-
1254, 1264-1269, 1273, 1274,
1278-1284, 1286-1288, 1290,
1291-1294, 1308, 1315-1318,
1321, 1322, 1325-1337, 1344,
1345, 1358-1363, 1369, 1370,
1377-1399, 1401-1414, 1417,
1428, 1432, 1434, 1435, 1577-
1579, 1582-1606, 1613, 1615
GRATIAD-IREXODO 1321

HARNVLFVSIMP 1543
HARNVLFVSREX 1542

HCARLEMANNVSRE 1220
HCARLEMANVSR 1197
HCARLOMANREX 1218
HCARLVSREXF 1085
HCAROLVSIMP 1529
HCAROLVSIMPER 1525
HCAROLVSIMPERA 1526, 1528
HCAROLVSREX 1086, 1171
HIOTIAIVSIIIEIA 524
HISERICORDIAD-IREX 1258
HISERICORIIADIIRX 1298
HIVDOVVICVSPVP 595
HIVDOVVICVSR 1230
HKARLVSREIFR 1168
HKARLVSREXFR 1163
HKARLVSREXFRI 1160
HKAROLVSRE 1055
HLDOVVICVSREX 1227, 1228,
1242, 1259, 1261, 1548, 1564,
1566, 1571
HLOTARISIMPERATO 518
HLOTARIVSAC 568
HLOTARIVSACS 566, 567
HLOTHAPIVSACVS 588
HLOTARIVSIMP 546, 555, 592
HLOTARIVSIMPERATOP 519, 572,
574
HLOTARIVSIMPERI 520
HLOTARIVSIMPIPIPI 531
HLOTARIVSIMPER 575
HLOTARIVSIMPERA 579
HLOTARIVSRIXACV 570
HLOTHARIVSHPEPA 521
HLOTHARIVSIMP 543-545, 551 -
553, 557, 558, 585, 586
HLOTHARIVSIMPAV 556, 564
HLOTHARIVSIMPERAT 577

- HLOTHARIVSIMPERAVG 565
 HLOTHARIVSREX 1183, 1186,
 1187, 1187a, 1190
 HLOTHARVSREX 1188, 1189
 HLOTIARIVSIMPAV 559, 560
 HLOTIARIVSIMPER 550
 HLOTIARIVSNPE 522
 HLOTIARVSHMP 523
 HLVDVICVS 403, 404
 HLVDVICVSIMPR 1175
 HLVDVICVSIMP 465
 HLVDVSNP 432
 HLVDVVCREX 1232
 HLVDVVIC 377
 HLVDVVICI 443, 446
 HLVDVVICS 418
 HLVDVVICSIHP 339, 388
 HLVDVVICVS 392, 401, 402,
 405, 513a, 1616, 1636, 1637
 HLVDVVICVSI 329
 HLVDVVICVSII 399
 HLVDVVICVSIM 345
 HLVDVVICVSIMAVG 372
 HLVDVVICVSIMD 336
 HLVDVVICVSIMI 498, 509
 HLVDVVICVSIMP 320–323, 326–
 328, 332, 333, 335, 337, 341 –
 344, 346, 347, 353, 354, 356–
 361, 363, 364, 366, 371, 373,
 376, 378–381, 387, 389–391,
 397, 398, 400, 406, 407, 409–
 412, 414–416, 419, 420, 424 –
 430, 434, 438–440, 444, 447,
 448, 450, 451, 453–458, 462,
 463, 472–497, 499–508a, 1576a
 HLVDVVICVSIMPAC 437
 HLVDVVICVSIMPAV 331, 375
 HLVDVVICVSIMPAVC 330, 351,
 352, 368–370, 396, 417, 436,
 445, 449
 HLVDVVICVSIMPAVG 374, 435,
 452, 469
 HLVDVVICVSIMPER 421
 HLVDVVICVSINPAVG 470
 HLVDVVICVSIP 510
 HLVDVVICVSMD 340
 HLVDVVICVSMI 384
 HLVDVVICVSMP 382, 442
 HLVDVVICVSP 511
 HLVDVVICVSPEX 1226
 HLVDVVICVSPIVS 1550–1556
 HLVDVVICVSI 422
 HLVDVVICVSRE 1549
 hLVDVlh, in two lines 459–461
 HLVDVVICSIEX 1563
 HLVIDOVVICVSO 1239, 1562
 HLVTARIVSAGVS 562
 HLVTARIVSIMP 547–549, 576,
 581, 584
 HODOREXF 1272
 HODOREXFI 1270
 HODOREXFRAN 1271
 HOTARIVSIINPAT 528
 HOTHARIVSREX 1186
 HOVDVVICVS 386
 HPIPINVSREX 612
 HROLVSPIVSREX 1433
 HTVDVVICVSIMPAVC 324
 IDOVVICVSIMP 348
 IEIREIPATORAV 1448
 IEVTARIO 1682, 1682a
 IILVDVVICVSIIP 433
 IISVIMTORII 561

- IMPERATI 1455, 1456
 IMPERATORA 1454
 IMPERATORAGVST 1445
 IMPERATORAVG 1449, 1451
 IMPERATORI 1452, 1453, 1519
 INPERATORACVSTVS 1441, 1442,
 1450
 IOHARIVSMAHPI 591
 IOTAHVSIEIX 1182a
 IOTAHVSIMXACVS 590
 IOTAHVSIMXAGVS 575a
 IOTAIIVSINI-IPAT 525-527, 529,
 530, 542, 578
 IOTHAPIVSPI 587
 IOVHARIVSREX 1662
 IVDVVISREX 464
 IVTARIVSHP 592a
- KAR 295
 KARF 305
 KARHELMANREX 1222
 KARLCTD 1419, 1420
 KARLVS, in two lines 286
 KARLVSIMPAVC 313
 KARLVSINPER 1494, 1495
 KARLWSIMPATOR 1518
 KAROLVS, in two lines 163
 Karolus monogram, in field 215-
 219, 302, 642, 914, 1060, 1061,
 1089, 1106, 1107, 1110, 1131,
 1152
 KAROLVSAVG 1469, 1470
 KAROLVSGRATIADIREX 793
 KAROLVSIMP 1531
 KAROLVSIMPAVG 105, 121a, 167,
 317-319
 KAROLVSIMPR 1471
- KAROLVSPIVSREX 1347-1351
 KAROLVSREX 1054, 1170, 1364,
 1365
 KAROLVSRImpREX 1440
 KAROLVS...VD 116
 KaronISIMPAVG 142
 KFR 289
 KICOLVSPIVSREX 1346
 KRL+RF 239
 KRF 259
 KVROLVSREX 1352-1356
- Labl 15
 LDVCSIMP 431
 LODOICVS 1646-1649
 LODOVVICVSRIX 1638
 LOHARIVSIMPERATO 516
 LOTAPIVSACN 589
 LOTAPIVSCPACIADI 1184
 LOTARIIREGISINSIGNE 1191, 1192
 LOTARIVSIMPAVG 563
 LOTARIVSIMPERATORACVSTVS
 571
 LOTARIVSIMPIRAT 517
 LOTARIVSREX 1185, 1681
 LOTARIVSREXAGVSTVS 569
 LOTARIVSRF 1680
 LOTERIVSR 1677
 LOTERIVSRE 1674, 1675
 LOTERIVSREX 1666-1673, 1676,
 1678, 1679
 LOTHARII 1660
 LOTHARIVSI 1656
 LOTHVRIVSIMPERATO 573
 LOTHARIVSREX 1659, 1663
 LOTHARIVSREXIMPE 533, 535,
 537-540

- LOTHARIVSRXIMP 532, 536
 LOTHRIXSFX 1664
 LOTHRV 1657
 LOTIIVIVSIEI 1661
 LVDOIC, in one line 395
 LVDOVICVS 1620, 1635
 Ludovicus, in monogram 594
 LVDOVICVSIMPE 1180-1182
 LVDOVICVSREX 1557-1561, 1565,
 1567-1570, 1625-1634, 1650,
 1651
 LVDOVICVSRX 1618, 1619
 LVDOVVICVS 413
 LVDOVVICVSIIPE 1172-1174,
 1179
 LVDOVVICVSINP 1177, 1178
 LVDOVVIC, in two lines 350, 355,
 362, 365, 367, 383, 385, 393,
 394, 408, 466, 467, 468
 LVDOVVICVS 338, 1574-1576,
 1617, 1621-1624, 1635, 1639-
 1644, 1652-1654
 LVDOVVICVSIMPI 334
 LVDOVVICVSIMPR 1572, 1573
 LVDOVVICVSRE 1229
 LVDOVVICVSREX 596, 1223, 1231,
 1233, 1234, 1240, 1645
 LVTHARIVSIIP 583
 LVTHARIVSIMP 580
 LVTNVRIVSIMP 582

 MIRERATORAV 1446, 1447
 MISERICORDIADEI 1296, 1300,
 1311, 1314
 MISERICORDIAD-I 1289, 1295,
 1301-1303
 MISERICORDIADIR 1312, 1313

 MISERICORDIAD-IREX 1224, 1244,
 1255, 1256, 1309, 1310
 MISERICORDIADN 1304-1307
 MISERICORDIADREX 1260
 MISERICORDIARIX 1297, 1299

 NCAROLVSIMPER 1472-1478
 NKARLVSRIFR 1155
 NLOTARIVSMP 554
 NLVDOVVICVSI 512
 NLVDOVVICVSIMP 441

 ODDOREXFRC 1338-1343
 ODOVVISVCIMPAVG 471
 OTARIVSIIIRIRATO 541

 PIA 7
 PIIVSIA 610
 PIPI 25-27, 29, 30, 39
 PIPINVS 28
 PIPINVSRE 609
 PIPINVSREX 598, 611, 613
 PIPINVSREXE 616
 PIPINVSREXEQ 599, 605, 605a,
 606, 614, 615, 620, 621
 PIPIREX, in field 19, 20
 PIPPINVSREX 597, 600-605, 607,
 617
 Pippinus Rex, in monogram 608
 PIPPINVSREXF 618, 619
 PP 32
 PRE 62

 R, in field 54
 RADHDLVFO 1614
 RADVLFSREX 1611, 1612
 REXIMPERATOR 1457, 1458

RF 9, 33	RTP 75
RFX 265	RXF 8, 22, 34, 56, 57, 58, 60, 64, 65, 69, 76–78, 80, 81
RI, in field 72	RXOIEI 301
RODESREX 1609	RXP, in field 12, 16, 17, 18, 59
RODVLFSVS 1580, 1581, 1608	SALOMON 1571
RODVLFSVSHCHT 1607	SVINDEBADREX 1544
RODVLFSVSREX 1610	TEMPVSCARLVVSREX 980
RP, in field 1, 2, 10, 11, 13, 14, 21, 23, 24, 35–37, 40–52, 55, 61, 63, 66–68, 70, 71, 73, 74, 79	TZVENTIBOECRE 1545

REVERSE INSCRIPTIONS AND GENERAL

The numbers after each entry refer to the numbers in the catalogue.

- | | |
|---|---|
| <p>A 40
 AACHEN 98, 329, 640, 641, 1184
 AATINIACOPA 819
 ABIPHCAS 236
 ABRN – CAS 147
 ADDO 55
 ADE 42, 228
 ADELHICPRINCES 1180
 ADO 43
 ADRA – DIS 123
 AENCIANISFISC 1111
 Agen 177–179, 1087–1089
 AGINCIVITAS 1087
 AGIN(N)O 177–179, 1089
 AGINOCIVITAS 1088
 AIETVLLO 1200
 AIIbCAVISCIVITAS 1290
 AIIbIAIIISCIVITAS 752
 AIIbIANISCIVITAS 754
 AIIIIACIVIS 1208
 AIRASICIVITAS 739
 ALABOTESHAIN 463
 ALEACIVIS 1209
 ALTIEICIVITVS 1001
 ALVDNHEIM 462
 AM – BIAN 124
 AMBIANICIV 764
 AMBIANICIVIA 141
 AMBIANIS 767
 AMBIANISCIV 763, 766
 AMBIANISCIVI(I) 753, 758–760, 761,
 765
 AMBIANISCIVIT 757
 AMBIANISCIVITA 756
 AMBIANISCIVITAS 751
 AMIANISC 1270
 Amiens 124, 751–767, 1270
 Ampurias 186, 424
 ANBIAIGCIVITAS 755
 Anchor 1
 ANDEGAVISCIVITAS 912, 913,
 1291, 1407, 1408</p> | <p>ANDEGAVISCIVITIAS 1292
 Angers 912, 913, 1290–1293, 1407,
 1408
 ANGILBERGAIPE 1179
 ANGILBERGA(I)NP 1177, 1178
 Angoulême 1612, 1646
 ANITOCIIVIT 1611
 ANPECAVISCIVITAS 1293
 ANTINIACOFISCO 819a
 AN – UT 235
 APIPI 39
 AQIISCPANIPALACIA 1184
 AQINAT 464
 AQIS 413
 AQISCI 1092
 AQISGRAN 98
 AQISGRANIPAL 641
 AQI – SPALA 329
 AQITAHIA 1054, 1055
 AQVISCANIRAE 640
 AQVISV(V)ASCON 414, 416
 AQVISVRBI 614
 AQVISVRBS 1090
 AQVISVRDI 615
 AQVITAHIA 603, 604, 1051
 AQVITAINA 598
 Aquitaine 385–392, 554, 597–608,
 1049–1055
 AQVITANIA 385–390, 392, 601, 602,
 1049, 1052, 1053
 AQVITANIORVM 597, 599
 AQITANIV 1050
 AQITVH 391
 AR 44, 56, 86
 ARANIS 459
 ARCEIITISACVIT 1351
 ARCENTIIACVII 1551
 ARCENTINACVNAS 1550, 1552, 1554
 Ardenburg 697
 AR – DIS 237, 238
 ARE 84
 AREBATISCIVITAS 738</p> |
|---|---|

- ARELACIVIS 1211, 1212, 1496–1498, 1502–1504, 1507–1509, 1512, 1652–1654
 ARELACIVISX 1215, 1499, 1501
 ARELACIVSX 1423
 ARELATO 192–197, 1110
 ARELATVM 435–442
 ARELATVN 443
 ARELVCI(T)A...I(S) 1500, 1506, 1515, 1516
 AR – FIVF 239
 ARGENTIIACVIT 1346
 ARGENTIINCIVITA 1350
 ARGENTINACVITAS 1553
 ARGENTINCIVITA 1350
 ARHANGEMIHAEL 1181
 ARLEACIVI(I)SX 1207, 1213–1215
 Arles 192–198, 435–443, 1110, 1207–1215, 1423, 1496–1517, 1652–1654
 Arnulf, King of Germany 1532–1543
 Arras 123, 737–750, 1268, 1269, 1656, 1657
 AR – SN – I 240
 ARVLACIVIS 1517
 ARVR – NIS 176
 ATDEBATISCIVITAS 749
 ATINACOPA 817, 818
 ATISIODIROIVITS 992
 ATOELARE 198
 ATRADVS 1657
 ATRASICIVITAS 748
 ATREBAISCIVITAS 741
 ATRBASI 1656
 ATREBASCIAI 1268
 ATREBASCIVI 744, 745, 1269
 ATREBASCV 746
 ATREBATISCIV 747
 ATREBATISCIVITAA 737
 ATREBATISCIVITAS 740, 750
 ATREBATISCIVIT(I)S 743
 ATREBATSCIVITAS 742
 Attigny 817–819a
 AV 45
 Avallon 1015–1018
 AVEIIATNISCIVTI 1595
 Avignon 190
 AVILOMISCVLVS 1639
 AVINIO 190
 AVITSODIROCIVITAS 1000
 AVNVNISCASSTRVN 1602
 AVREIIANISCIVITAS 1409
 AVRELANISCIVIT(A) 1598–1600
 AVRELIAHICCIVT 1596
 AVRELIANCI 1597
 AVRELIANIS 372, 373, 944–946
 AVRELIANISCIVITAS 947, 948, 1321–1323
 AVRELIANISCIVITS 949, 950
 AVROELNSCIATA 1410
 AVTIEICIVITVS 991
 AVTIDIDERCIVIS 1462
 AVTISIDEROCCI 993
 AVTISIOCERCI 995
 AVTISIODERCIVIS 998
 AVTISIODERCIVS 997
 AVTISIODEROCIVI 987
 AVTISIODEROCIVITAS 999
 AVTISIODEROCVTAS 996
 AVTISIODIROCIVITVS 994
 AVTISIODEROIIV 990
 AVTISIODIROCA 988
 AVTISIODIROCIVI(TVS) 989, 994
 AVTISIRECIVIT 1463
 AVTRAMNO 47
 Autun 1009, 1010, 1198
 Auverne 1085, 1086
 Auxerre 987–1001, 1197, 1462, 1463
 AX – ENT 267
 BAB 241
 BAICENTISCASTELI 1403
 BAIENTICASTR 1401
 BAIOCASMCIVITAS 890
 BALGENTICASTRO 1402
 Barcelona 188, 189, 425–428
 BARCINONA 188, 189, 426–428
 BARCNIONA 425
 BARRISCASTER 960
 BARRISHICA 958
 BARRISHICASTEL 959
 Bar-sur-Aube 958–974
 BAVA(CA)CIVITAS 665
 BAVACIVITAS 665
 Bavai 665
 Bayeux 887–890
 Beaugency 1401–1403
 Beauvais 784, 784a, 1375, 1376, 1577–1579

- BEDERRIS 183
 BEEVACVSCIVI 1371
 BELCEVACASCI 784a
 BELGEVACVSCI 784
 BELGEVACVSCIVI 1375
 BELGEVACVSCV 1577
 BELIACASTRO 1113
 BELVACVS(CIVI) 1578, 1579
 BENEVENTVCIB(I) 1172, 1173
 BENEVENTVM(B) 1174, 1175
 Beneventum 1172-1175
 BERENCARIVSRIX 1537
 BERERGARIVSRE 1539
 B-E-R-R-R 243
 Besançon 168, 381, 1040, 1041
 BESENCIONECIVITAS 1040, 1041
 BESIAINCASTRO 925
 BE-TE-RR-IS 182
 BETOC 460
 Béziers 182, 183, 1491-1493
 BIESIANISCASTRO 926-929, 1258,
 1308-1311, 1314
 BIN - GIAC 244
 BISTERRIS 1491, 1492
 BISTERRISCIV 1493
 BITVRICAS 173-175
 BITVRIC...CIVIT 1645
 BITVRICE(S) 609, 610, 1068-1070,
 1678-1680
 BITVRICESCIVH 1075
 BITVRICESCIVI(I) 1071-1074, 1484,
 1485, 1670, 1674
 BITVRICESCIVIS 1673
 BITVRICESCIVIT(A) 1328-1331,
 1479-1483, 1610, 1669-1671,
 1675-1677
 BITVRICESCIVITAS 1672
 BITVRICESCIVS 1076
 BITVRICESCIVT 1486, 1487
 BITVRICESCVT 1067, 1077
 BITVRIGES 408, 410
 BL ... DONIS 1426, 1427
 BLE O ONIS 1425
 BLESIANISCASTRO 923, 924, 1312,
 1313
 BLLDONIS 1427
 Blois 923-930, 1258, 1308-1314
 BOIOIISCIVII 1428
 BOLA 245
 BONA 107, 108
 Bonn 107, 108
 Bordeaux 412, 555, 1647, 1682
 BOSO 1262, 1263
 Boson 1262, 1263
 Bourges 173-175, 408-411, 609, 610,
 1067-1077, 1328-1331, 1479-1487,
 1645, 1666-1680
 BPERTA 246
 BPVCCIAMO 699, 700
 BRIVCCASMON 698
 BRIVIOVICI 1429
 BRVDONSONT 1112
 Bruges 698-701
 BRVGGSMON 698
 BRVIICSVAIAS 698
 BVRCINONA 428
 BVRDEGAL(V) 1647, 1682, 1682a
 BVRDIGALA 412, 555
 CAI 247
 CAIAOI ... O 1632
 CAINONICASTRO 1631
 CALAMONAS 856
 CAMA - RACVS 342
 CAMARACVSCI 673, 674
 CAMARACVSCIV 672
 CAMARACVSCIVI(S) 543, 669, 671,
 1544
 CAMARACVSCVVS 670
 CAMA - RIICVS 343
 Cambrai 2, 342, 343, 543-545, 669-674
 CAMRACO 2
 CANAVVMMMO 703
 CARCASONACIA 1344
 Carcassonne 1344
 CAREF 231
 CARHOTIS 931
 CARHOTISCIVITA(S) 935, 936
 CARLEACIVIS 1510
 CARLM 86, 87
 CARLOM 88, 89
 Carloman 82-89
 Carloman 1194-1222
 CARL - RF 96
 CARM 82, 84
 CARN 17
 CARNOAS 155
 CARNOTAS 154

- CARNOTIS 153, 156
 CARNOTISCIVITA(I) 938, 1591
 CARNOTISCIVITAS(I) 932–934, 937
 1315
 CARO 83, 85
 CARO – LVS 226–238, 240–242, 245–
 256, 258, 260, 261
 CAROUSVER 689a
 CARRAS 251
 CART 16
 CARTISCIVITAS 1592, 1593
 CASEICIITA 1432
 Cassel 707, 708
 CASSELLOAV 707
 CASSELLOMON 708
 CASTBARRISI 972
 CASTELBARSIS 967
 CASTELDVN 160
 CASTELIBARIS 971
 CASTELLATS 975
 CASTELLOMILED 864
 Castel Seprio 212a
 CASTISAVAIIOI 1018
 CASTISAVALONIS 1015
 CASTISAVALONS 1016
 CASTISAVVIONS 1017
 CASTISIIANEON 1194
 CASTISNANDO(N)IS 951, 953
 CASTISPRVVINIS 1254
 CASTLBAR(R)ISI 968, 973, 974
 CASTRALOC(I)MO 1443, 1444
 CASTRAMONETA 1115
 CASTRELATSIS 978
 CATRELATTS 977
 CAS – TRIC 162
 CASUSELTLOI 1519
 CATAAVN 1390
 CATAIAVNISCIT 823
 CATAIAVNISCVTAT 824
 CATALAVNISCIV(V) 821, 822
 CATALAVNISCIVITAS 820
 CATVRICIS 620
 CAVIIONCIVITAS 1326
 CAVIIONISCIVIS 1475
 CAVILONCIVT 1663
 CAVILONIC 1033
 CAVILONIS 1478
 CAVILONISCIVIC 1327
 CAVILONISCIV(S) 1034–1036, 1476
 CAVILONISCIVLVS 1640
 CAVILONVM 378
 CAVIONIISCI 1641
 CAVIONISGI 1642
 CAVNOHISCIVIS 1473
 CAVNONISCIV(I)S 1035, 1472, 1474,
 1477
 CERVIAMONETA 662
 Châlons-sur-Marne 820–824, 1390
 Chalon-sur-Saône 378, 1033–1036,
 1326, 1327, 1472–1478, 1639–1642,
 1663
 Charlemagne 90–319
 Charles, late ninth century issues in
 the name of an emperor Charles
 1440–1531
 Charles II, the Bald 622–1171
 Charles the Child, King of Aquitaine
 1193
 Charles the Simple 1346–1439
 Chartres 16–18, 152–156, 931–938,
 1315, 1591–1593
 Chateaudun 157–160, 939–943, 1316–
 1320, 1594
 Chateau-Landon 951–953, 1194, 1601–
 1604
 Chelles 856–860
 Chièvres 662
 CHIMIRIACOV 1116
 Chinon 922, 1631, 1632
 CHOGIS 252
 Chur 322
 CIAGVIS 180
 CIINDAVVM 706
 CIIOIIAIIISCVI ... TAP 1404
 CINMA 50
 CINODANISCIVITAS 1405
 CINOINM 144
 CINOMAINSCIVITAS 909
 CINOMANI 143
 CINOMANISCIVI 907
 CINOMANISCIVITAS 905, 906, 908–
 910
 CINONISCIVIS 922
 CI – PRH 51
 CIVARCRAT 1
 CIVEXMC – VIS 1117
 CIVIARGE 96
 CIVIONICASTRE 1026

- CIVIONISCIVIS 1025
 CIVISAVTISSIDER 1197
 CIVITASTPECAS 957, 1260
 CIVTASSVESSIOI 1377
 CIXIAGIS 1094
 CLAROMIIN 1080, 1081, 1083
 CLAROMIIT 1078, 1079, 1084
 CLAROMONTI 1681
 Clermont 176, 1078-1084, 1681
 CLLLTALONOVO 312
 CLS 249, 250
 CLUROMANT 1082
 CN 52
 COIONANOIETA 531
 Cologne 106, 338-341, 531-534, 1352-1356, 1557-1561
 CO - LONIA 106, 339-341, 1561
 COLONIA CIVITAS 532, 543
 COLONNECIVITAS 533
 Compiègne 788-791, 1275
 CONATOMONETA 666
 CON - DAT 113
 CONDATOMONE 668
 CONDATOMOETA 667
 Condé-sur-l'Escaut 113, 666-668
 CONPEDIOPALCI 791
 CONPEDIVPALAT 788
 CONPEIDIOPALATIO 1275
 CONPENDIOPALACIO 789, 790
 Conrad the Pacific 1683
 Corbie 770, 771, 1244, 1271, 1272
 CORBIENSI(S) 1271, 1272
 CORSTAC 99
 Courtrai 709, 710
 Coutances 893, 894
 C ... RCENTIMACIVITO 1347
 CREF 231
 CRRAIINICIVITAS 561
 CUIL 917
 CVNISCATLLI 1594
 CVRIA 322
 CVRTISASOHIEH 903
 CVRTISASONIEH 902, 1289
 CVRTISASONIEN 895-900, 1590
 Curtisassonien 895-903, 1289, 1590
 CVRTISONIENS 901
 CVRTRIACO 709
 CVRTRIACOCIVES 710
 CVVVSCO 49
 DALATINAMONE 1225
 Dax 180, 413-416, 614, 615, 1090-1094
 DEFISCOCVRINIO 1118
 DEO - NEII 111
 DEO - TIIAN 112
 Deux-Jumeux 891, 892
 Dijon 1023-1027
 Dinant 111, 112, 649-654, 1616
 DISTIANAPIO 592a
 DIVIHOICASTIRE 1027
 DIVIIONISCASTRE 1023, 1024
 DIVIOH 1216
 DMAANGILBERGA 1176
 DNAASNVVNOVA 595
 DNI - SVS 253
 DOM - PIFI 53
 DORESTADO 100-105, 642
 Dorestadt 99-105, 330-337, 521-530, 642, 643
 DORESTATVMON 529
 DORESTATVS 330-334, 336, 521-524
 DORESTATVSMON 337, 525-528, 530
 DOR - STAD 10
 D - PISTIANADIHOI 578
 DRISVS 254
 DVINSCASTILLOI 1317, 1318
 DVNISCATEL(L)OI 942, 943, 1316, 1319, 1320
 DVNISCASTIRIOI 939
 DVNISCATLL(I) 940, 1594a
 DVN(N)O(S) 157-159
 DVNOCASTERO 941
 DVOSIEMELLISMONT 892
 DVOSIEMLLISMT 891
 ΔNPIPI 5
 ΔNPP 3
 EAC 38
 EBROCA CIVITAS 883, 884
 EBROICACIVITAS 882
 ECACIVITAS 1414
 ECOLISINA 255
 EDORESTATVS 335
 EDVACIVITHS 1198
 EGOLIS(S)IME 1612, 1646
 EIA 256
 ELI - MO - SINA 53
 EMISCIVITAS 1382

- ENVICODEONIT 651
 EQUITANIORVM 600
 ERF 233
 ERI 54
 Estinnes 663
 Etampes 1411, 1412
 ETLANGACPATROM 308
 Evreux 882–884
 EXMEALONOV0 311
 EXMETALLONOV0 309, 310

 FANVMMARII 1120
 FIVDOVVIO 349
 Florence 225
 FLO – RENT 225
 F – Q 28

 GADDO 55
 GANDAVVUM 704
 GAUDAVVMMONE 702
 GARGENTINACIVITD 1349
 GENCLIACOPOR 1121
 GER – VASI 257
 GERVNDA 187
 Ghent 702–706
 Girone 187
 GVVDAMIAM 705

 h – A 29
 HADTVRECVM 596
 HALIVERNACIVES 1085, 1086
 Ham 678, 679
 HAMOCASTEII0 678
 HAMOMOIIEIA 679
 HBAIOCASCIVITAS 887, 888
 HBARCASTEL(S) 965, 966
 HBLESIANISCASTRO 930
 HCSOVINICIVIIT 886
 HINFISCOBASTONIC 1123
 hLVVDVIn 459–461
 HNOVIOMVILLA 804
 HOCISIMIOIITA 542
 HOGISEMONETA 541
 HREDONISCIVITAS 1045, 1046
 HTIROHESCIVIVTVS 1297, 1299
 HTVRICESCIVIT 1668
 HTVRONESCITIAS 1304
 HTVRONESCIVITAS 915–917, 1295,
 1298, 1302

 HVICOHOIO 656
 Huy 541, 542, 655, 656, 1231–1234

 IBAIOCASCIVTS 889
 I – BAROCASTELI 961–964
 IBRIVIOVICO 1430
 ICA – I(VI) 247, 248
 ICAQVIS 1093
 I – CASTELIBAR(I)S 969, 970
 I – CASTISNANDON 952
 ICVRTISASONIEN 895–900
 ICVSTANCIEN 893
 ICUSTENSISONEN 894
 ... IE ... OOIIS 1424
 IE – SON 168
 IETTISCIVITAS 1358
 IIA 48
 II – A – S – S 201
 IICITIACITAS 1555
 IETTISCIVIT(AS) 1359–1361, 1363
 IILIDVNCATRO 1662
 IIIQ – OIII 57
 IIVICOHAIIVCIO 1239
 IIVICONAMVCO 1562
 IOSOIIOIIOIMT 694
 IPIPI 30, 31
 ISVIMTORII 561
 IHub – IAO 278
 IL – EN 58
 IMOVICASCIVI 1333
 INFISCOVENDRNT 1124
 INIISCOVFIDRNT 1125
 INPAPIACIVITAS 1538
 INPORTORRIITO 644
 INPORTOTR(I)ECTO 1441, 1442
 INPVRIAS 186, 424
 INSCOCIV 258
 INTERCI(II)S 1469, 1470
 INVICODEONANT 649
 INVICODEONINII 652
 INVICODEONINV 653
 INVICODNV 1616
 INVICOHAMVCO 657
 INVICOHOBIO 1233
 INVICOHODMO 1234
 INVICOHOGIO 1231
 INVICOHOIO 1232
 INVICOIIVIIITO 1128
 INVICONAMVCO 1235–1237

- INVICONANVCO 1238
 INCICOTRIECTO 1226
 INVICOVIOSATO 1227-1230
 INVICOVIOTO 1126
 INVICOVIOVIEO 1127
 IOTREMSISMO 861
 IOTRENSISINOI 863
 IOTRENSISM 861, 862
 IROD - ANI 259
 ITVRICRIG(E) 409, 411
 IVGDVNOCLA 798
 IVOCICASTELLO 1128a
 IVQVITAIIA 554

 Jouarre 861-863

 KAIARACASIVS 544
 KALAMONARE 857
 KALAMONASTE(RI) 857, 858
 KANARACASCIVS 545
 KAR - F 305
 KLAMNTR 859, 860
 KRL - RF 239

 LABI 15
 Langres 163, 1019-1022, 1471, 1609,
 1636-1638
 Laon 12, 13, 127-130, 792-800, 1276
 LATISIOCASTE 976, 979
 LAVDVH 129
 LAVDVII 127, 128
 LAVDVNO 130
 LEDCIIVISTA 465
 LEM 260, 261
 Le Mans 143, 144, 905-911, 1404, 1405
 LeMont Lassois 975-979
 LENNISFISCO 1461
 Lens 736, 1461
 LEO - DICO 110
 LEPTINASFISCO 663
 Le Talou 881
 LEUTBRA 85
 LICSOVIVSCIVI 885
 Liège 110
 LIMODICAS 611, 613
 Limoges 611-613, 1201, 1202, 1332-
 1336, 1421, 1422
 LIMOVICAS 1335, 1336
 LIMOVICASCIVI(S) 1332, 1421, 1422

 LIMOVICASCVS 1334
 LIMOVIX 612
 LIMOVIXCIVIS 1202
 LIMOVXCIVIS 1201
 LINCNCVTS 1609
 LINCONISCVTS 1636, 1637
 LINGONIS 163
 LINGONISCIVI 1021, 1022, 1638
 LINGONISCIVITAS 1471
 Lisieux 885, 886, 1400
 LIXOVIVSCIV 1400
 LIXOVIVSCIVITAXS 885
 LINGONISCIVIS 1020
 LNGONISCIAIS 1019
 Lothaire 516-593
 Lothaire II of Lorraine 1183-1192
 Lothaire 1656-1682
 Louis the German 594-596
 Louis I the Pious 320-515
 Louis II of Italy 1172-1182
 Louis II the Stutterer or Louis III of
 Neustria 1223-1261
 Louis IV D'Outremer or Louis V
 1616-1655
 Louis IV the Child 1546-1571
 Louis the Blind 1572-1576
 LV 59
 LVCA 221-223, 454
 Lucca 221-223, 454
 LVCDVNICI AVATI 795
 LVCDVNICIV(IS) 1037, 1039, 1644
 LUDCVNICLAVATI 797
 LVG 24, 87, 164
 LVGDVN ... IA 165, 800
 LVGDVNICIVIS 1038
 LVGDVNICLAVATI 792, 794, 795
 799, 1276
 LVGDVNVN 166, 167, 379, 380
 LVGDVNVNVS 1683
 Lyon 24, 164-167, 379, 380, 1037-1039
 1644, 1683
 AENONNISFISCO 736
 APIPI 39

 Maastricht 109, 535-540, 644-645
 1226, 1441, 1442
 Macon 1643, 1664, 1665
 M - AI - C - N 264
 MAIDICIVITA 1589

- Mainz 90–93, 321, 594, 1532, 1533, 1546–1548
 MAR – CS 60
 Marsal 1243
 MARSALLOVICO 1243
 Marseille 199–203, 444
 M – A – SL – S 200
 M – A – S – S 199
 MASSILIA 202, 203, 444
 MATISCINSECT 1665
 MATISCNSIV 1664
 MATISCOCIVITAS 1643
 Maubeuge 664
 MAV – RIHP 266
 MAVRIIIVAHEVAI 786
 MAVRIIIVAIEVN 787
 MAVRINIANEVAI 785
 MAVRINVAIEVNI 787
 MAX – ENT – S 267
 Mayenne 904
 MCSCO 270
 M – D – C – G 265
 Meaux 362–364, 848–855, 1397–1399, 1589, 1661
 MEDENASVITCVSI 904
 MEDENSVITCVSI 1129
 MEDIEMATRICIS 550
 MEDIOL 211, 212, 558
 MEDIOLANVM 449–451
 MEDIOLANVMCIVIS 1536
 MEDIOMATRIC 346
 MEDIOMATRICORV(I) 547, 549
 MEDIOMATRICORVM 548
 MEDOCVS 268
 MEIBISCIAIS 1397
 MEIICISCIVIVO 1661
 MELBODIOMT 664
 MELDIIAIS 1399
 MELDIS(CIV) 362–364, 849, 850
 MELDISCIVITAS 851–855
 MELICIVIS 1398
 Melle 172, 393–407, 606–608, 1056–1066, 1199–1200, 1372
 Melun 864, 865, 1662
 MENTALLVII 405
 MEPS–61
 MESTALLVII 405
 MTALL – GERMAN 313
 METALLVM 394–403, 406, 1056, 1057
 METALVVM 407
 ME – TT – IS 117, 345, 1620
 METTISCIVIS 1618, 1619
 METTISCIVITAS 1186, 1242, 1362, 1446–1448, 1617
 METVLLO 172, 606–608, 1058–1066, 1199
 METVLVM 404
 Metz 117, 345, 346, 547–550, 1186, 1241, 1242, 1358–1363, 1446–1448, 1617–1620
 MF 227
 MGVISCIVE 1091
 Milan 211, 212, 449–451, 558, 1536
 MILIDVNNDIEI 865
 MILO 62
 MLTTISCIVITAS 1241
 MOCONCIAECIVIT 1533, 1548
 MOCONCIVECIVIT 1532
 MOGONCIVECIVIT 1532
 MOGONTIA 90–93, 594
 MOGONTIACIVT 1546, 1547
 MO – GON – TIA – CVS 321
 MONETAINNIGELLA 1130
 MONETALVGDVNICL 172
 Mons 1443, 1444
 MONTLVGDVNICLAVAT 793
 MON(T)SNAZ 1418–1420
 Morienval 785–787
 MOSOMOMON 693
 MOSOMOMONIT 692
 MOSOMOMOMT 696
 MOSOMOMOTA 690, 695
 MOS – WO 269
 Mouzon 690–696
 MVNVS DIVINVM 514, 515
 MVSOMOMOMTA 691
 NA – IIIV 271
 NAMNETISCIVITAS 1047, 1048
 NAMNETVN 383, 384
 NAMOMOIEIA 679
 Namur 657, 658, 1235–1239, 1562, 1563
 NANDONISCASTLII 1604
 NANDONISCASTR(V)M 1603
 NANOONISCASTRVN 1601
 Nantes 383, 384, 1047, 1048
 NARBONA 185, 430–432, 1107

- Narbonne 184, 185, 430-432, 1107
 NBAERNISCVN 1006
 NAI ... DEONTIII 650
 NE 63
 NEVECNISVC 1635
 NEVERNISCIVIS 1008
 NEVERNISCIVIT 1464, 1467, 1608, 1633
 NEVERNISCIVITAI 1003, 1004, 1465, 1466
 NEVERNISCIVITAS 1007
 NEVERNISCIVITAI 1002
 NEVERNISCVS 1005
 NEVERNISCVT(A) 1468, 1634
 Nevers 1002-1008, 1464-1470, 1608, 1633-1635
 NIDONISCSTIIM 1345
 Nimes 1494, 1495
 NIMISCIVIS 1495
 NIOVIIVOM 803
 Nivelle 659-661
 NIVIALLAVICVV 660
 NIVIELIAVICVS 659
 NIVIELLAVICV 661
 NIWISCIVISX 1494
 NOVICODEONIII 654
 NO - VIMO - MO 14
 NOVIOM 802
 NOVIOMUSCIVITAS 1278
 Noyen 14
 Noyon 802-804, 1278
 NR 64
 NRBO 184
 NT - TRA - NO 234
 NVICONAMVCO 658, 1563
 NVIENTVSCASTR 1613

 OdALRICVS 272
 Odo 1264-1345
 OINO 65
 OLONA 338
 O - MAC - CS 66
 ONWCAVP 1131
 Orléans 372, 373, 944-950, 1321-1324, 1409, 1410, 1595-1600
 OSTEVNISCIVIS 1010
 OSTEVNISCIVITAS 1009
 OVHITOVVICV 728
 OVIIIVOVIV 727

 OVVENTOV 726
 OVVEVTOVVIC(I) 721, 722

 P/ADEL/R 1181
 PAIATHAMON 638
 PAITHIA 1182a
 Palace 320, 516-520, 622-639, 1193, 1223-1225, 1264-1267
 PALATINAMION 636
 PALATINAMO 639, 1266
 PALATINAMOHEAT 624
 PALATINAMOIE 1193
 PALATINAMOIEAT 623
 PALATINAMONE 629, 630, 632-634, 1264, 1265, 1267
 PALATINAMONET 626, 631, 1224
 PALA - TINAMO - NETA 320, 516, 517-519, 625, 628, 1223
 PALATINAMONITA 520
 PALATINAMOT 637
 PALATINANOME 635
 PAPIA 207-210, 445-447, 556, 557, 1518
 PAPIACIVITA 448
 PARIISII 1394
 Paris 360, 361, 825-838, 1251-1253, 1283-1285, 1391-1395, 1582-1585
 PARISCIVITA 1251, 1391, 1395, 1582-1585
 PARISII 360, 361, 825, 826
 PARISIICIIITAS 829
 PARISIICIVIIS 838
 PARISIICIVIT(A) 1284, 1285
 PARISIICIVITAS 827, 828, 830-836, 1252, 1253, 1283
 PARISSIVI 1392
 PARM(A) 205, 206
 Parma 204-206
 PATNIAIONE 627
 Pavia 207-210, 445-448, 556, 557, 1518, 1538, 1539
 PECTAVO 605
 Péronne 768
 PERRONENSISMO 768
 PETREPONTEM 1245
 PETRIPONTENO 801
 PF 6
 PICIIANAPELICIO 315, 316
 PIA 7

- Pierrepont 801, 1245
 PINCIUS 1614
 PIPI 25–28, 30, 31, 39
 PIPINYS 28
 PI – PI – REX 19
 Pippin I or II of Aquitaine 597–621
 Pippin the Short 1–81
 PI – REII 20
 Pisa 224
 PISA 224
 PISIIANARILIGIO 1529
 PISTIANAREIICIO 1216, 1526, 1527, 1531
 PORCOCASTELLO 1132
 Poitiers 605
 PORTAVIENS 1133
 PP 32
 PPhA 29
 P – R – A – M 204
 PRE 62
 PRISVS 273
 Provins 1254
 PTREFER 3, 5
 PxP 67
 PxP 29
 QVANTOVVICO 1371
 QVCIITOVICO 349
 Quentovic 121a, 349–354, 715–728, 1371
 QVENTOVICI 720
 QVENTOV(V)IC(VS) 350–353
 QVENTVVICVS 715
 QVENTVVVIC 121a
 QVETNOVVICI 719
 QVINTOVICVS 354
 QVVENTOVVIC(I) 716–718, 723
 QVVERITOVVICIV 725
 R 70
 RAI 71
 RALATINAMONE 622
 Raoul 1577–1615
 RATIOMONETA 1139
 Ratisbon 323, 1534
 RAVCIMONETE 1136
 RAVCIOPALACII 1141
 RAVCIOPALACIO 1143, 1144
 RAVCIOPALAS 1140
 RAVCIOPALATIO 1137
 RAVCIPALATINA 1142
 RAV – DIO 274
 R – C 263
 RCTVIIAOVSCIVIII 872
 RED(O)NIS 169, 170, 382
 REDONSCIVTA 1044
 REDONSCVTS 1043
 R – E – D – S 279
 REGA – NESB – VRG 323
 Regensburg 323, 1534
 REGINACIVITAS 1534
 RE – CNT 134
 REIMSCIVIS 358
 REM 15, 135
 REM – CIVIT 133
 REMEI – RODO 275
 REMICA ... AI 1384
 REMICIVI 1660
 REMICIVITAS 356
 REMISCIVIS 355, 357
 REMISCIVITA(I) 1381, 1383
 REMISCIVITAS 813–816, 1246–1250, 1281, 1282, 1379, 1382, 1385–1387, 1389
 REMISCIVITAS 1379
 Rennes 169–171, 382, 1042–1046
 RER 6
 RETHONDES 812
 RF 25, 33, 34, 68, 69, 226
 RF – P – R – A – M 204
 Rheims 15, 133–135, 355–359, 813–816, 1246–1250, 1281, 1282, 1379–1389, 1660
 RI 72
 RIAVVSCASII 1615
 RIEMSCIVIS 359
 RIMISCIVITAS 1388
 RISTIANAREIICIO 1525
 RMESCIVITAS 1380
 Roda 429
 RODDA 429
 ROD – LAN 276
 RODMAGVM 142
 ROD – OM 140, 171
 RODOMCICIT 1630
 RODOMCIFIT 1625
 ROIEM 301
 ROTANISCIVITAS 697, 877

- ROTOMAGVS 141, 365
 ROTOMCIVIT(I)(A) 1626, 1627, 1629
 ROTOMOIVIT 1628
 ROTVHACVSCII 873
 ROTVHACVSCIVII 874-876
 ROTVHAGVSCIVII 871
 ROTVHCVSCIVI 868
 ROTVICVSCIVI 867
 ROTVIIACVSCV 866
 ROTVMACVSCIVI(II) 869
 ROTVMAGVS 366
 ROTVNACVSCIV(II) 870, 880
 ROTVNDASCELLA 812
 Rouen 140-142, 365, 366, 866-880,
 1625-1630
 RP 1, 2, 9, 10, 13, 14, 16, 17, 21, 23,
 24, 26-28, 29, 31, 35, 36-38, 40-
 41, 42, 43-57, 55, 58, -60, 63,
 66-68, 70, 71, 73, 74, 79
 RRVCCIVIMONT 701
 RRV DVNSNT 1114
 RTP 18, 27, 30, 75
 RVF 232
 RVLOCIVITAS 1134
 RVVCIMONETA 1135, 1138
 RVVNRITATIVS 1138a

 SAI 461
 SAINTES 1648, 1649
 SAISSIOCIVIIVS 1378
 SAK 72
 SALOMON 1571
 SANT 280
 SCAIDTMNT 1012
 SCAII ... TNMO 782
 SCAMAR(IA) 13, 131, 132, 287
 SCEMARIEM 1277
 SCE - MIR 282
 SCE - MRE 284
 SCI 3
 SCIAIDTMNT 1011, 1013
 SCIANIAI 88
 SCIAVDOMARI 1369
 SCI - C I 75
 SCICI - RICI 73
 SCICRUCI(S) 76, 89, 285
 SCΔIONASIM 1288
 SCΔIONISII 1587, 1588
 SCΔIONVM(I) 846, 847
 SCΔIONVSII(M) 842-845, 1286,
 1287, 1396, 1586
 SCΔIONVSIM 840, 841
 SCIDVONISII 139a
 SCI - FIRH - II 10
 SCI - FIRMI - NI 125, 126
 SCIFVRSEICASTELLO 769
 SCIFVRSI 1273
 SCIGAVGERICIM(O)(N) 675-677,
 1445
 SCIG F 74
 SCIMAR(A) 12, 76a
 SCIMAR(I) 281, 286
 SCIMARTINI 19, 20
 SCIMARTINIMONETA 919-921
 SCIMATISI 148
 SCI - MAVR 288
 SCI - MA(U)R 286, 288
 SCIMA(R)T(I)N(I) 150, 151
 SCIMEDARDIMOIT 811
 SCIMRTINI 149
 SCIMRVCI 289
 SCINAZARIMONEA 1014
 SCI - PERI 11
 SCIPETRIMONETA 770, 1244
 SCIPTRNOMETE 771
 SCIPHILIBERTIMONETA 1191
 SCIPHILIBERTION 1192
 SCIQVHHHTMOE 779
 SCIQVINTIIIMO 783
 SCIQVINTINIMO 772, 773, 1274
 SCIQVINTINIMONET 775
 SCIQVINTINMO 774, 781
 SCIQVITINMOET 778
 SCIQVITNNIMONET 777
 SCIQVITNNNIMOET 776
 SCIQVNITINMONT 780
 SCIQVTTNNN 776
 SCISEBASTIANIM 1145
 SCISTEPHANIMONE 1146
 SCI - TRV - DO 290
 S - CIWEDARDOHT 811
 SCAII ... TNMO 782
 SCMAPIAPCI - D 137, 139
 SCMARIAREMR 136, 138
 SCOLONAA 1557
 SCOLONAA 1558
 SCOLONIAA 1352-1354, 1559
 SCOLONIAA 1356, 1560

- SCO – NIS 291
 SCO – SEF 77
 SCS – AO 78
 SEBRIO 212a
 Semur 1417
 SEN 292
 Senlis 1370
 SENNES 94, 95
 SENOIS 22, 23
 SENONES 374–377, 1415, 1416
 SENONESCIVITA(S) 980–986b, 1325
 SENONESVRBS 1261
 SENONISCIVITAS 1607
 Sens 22, 23, 374–377, 980–986b, 1261, 1325, 1415, 1416, 1607
 SILVAIECTIS 1370
 SIMEMVROCASTRO 1417
 SITAIHICII 1556
 SIVICAHIA 1210
 SLVA 293
 SOCOEOMR 283
 Soissons 805–810, 1279, 1280, 1377, 1378, 1580, 1581, 1658, 1659
 SOLONIA 1355
 SO – TA 79
 SPE 294
 SR – R 296, 297
 S – R – V – C – I 295
 STAMBIS 1411
 STAMPISCATELLVM 1412
 STAMPISCATELI 1605
 STAPISCASTRA 1606
 Star 2
 TOT – TEN – BVRG 328
 Trassburg 1, 96, 97, 324–328, 1183, 1346–1351, 1440, 1550–1556
 TRATBVRG 97
 TRATBVRGVS 326, 327
 TRAZBCIVITAS 1183
 TRAZBVRG 324
 ubstantione 1205, 1206
 VESOICIVITVS 809
 VESSIO 1580, 1581
 VESSIOCIVITAS 805–808, 1279, 1280, 1658
 VI 1576
 VSTANCIONE 1205, 1206
 t. Andoche 1011–1013
 TCMAS 1648, 1649
 St. Denis 139a, 840–847, 1286–1288, 1396, 1586–1588
 St. Firmin 10, 125, 126
 St. Fursy 769, 1273
 St. Gery 675–677, 1445
 St. Marie 12, 13, 131, 132, 136–139, 1277
 St. Martin 19, 20, 148–151, 919–921
 St. Médard 811
 St. Nazaire 1014, 1418–1420
 St. Omer 1369
 St. Pierre 11, 770, 771, 1244
 St. Quentin 772–783, 1274
 TAIONESCLVITAS 918
 TALAVMONETA 881
 TARBISIO 559
 TARVENNACI 711
 TARVENNACIV(T) 712–714
 TARVIS 218, 220
 TARVIS(I)O 215–217, 219
 TARVISIVM 452, 453
 TARVISIVS 213, 214
 TERTIVSIMP 1519, 1520
 Théroutanne 711–714
 Thun 1373, 1374
 TIEICASICITAS 1259
 TIVHOCIVITAV 681
 TNERASCIVITAS 1149
 TOLOSA 1097, 1098
 TOLOSACI(VI) 616–619, 1099, 1100, 1102–1105, 1203, 1204, 1337–1343, 1488–1490, 1650, 1651
 TOLOSACIVITAS 420–423
 TOLSACIVI 1095, 1096
 TOLVSA 181, 417, 418, 489
 TOLVSACIVI 419, 1100–1103, 1343
 TONNERRE 1028–1032
 TOPNETEMSI 729
 TORENACIVIT 1433
 TORIIAIDORIT 1029
 TORRIHAIPORT 1460
 TORNACO 3, 122
 TORNAIIPORTI 1459
 TORNETREMSI 1031
 TORNOCROCVSIRO 1030
 TORNODORCASTEL 1032
 TORNODOROASTEI 1028
 TOROTIMENLNI 1655

- Toul 680-682, 1364, 1365, 1535, 1567-1569
 Toulouse 181, 417-423, 616-619, 1095-1106, 1203, 1204, 1337-1343, 1488-1490, 1650, 1651
 Tournai 122, 729, 1459, 1460
 Tours 56-58, 145-147, 367-371, 553, 914-918, 1255-1257, 1294-1307, 1406
 TPRICETINSIIMON 537
 TRACTEHSMIION 540
 TRE 114
 TRECASCIVI 1413
 TRECASCIVITAS 954-956, 1195
 TREFER 4, 7
 TREVER 116
 TREVERIS 115, 344, 1185, 1240, 1357, 1564-1566
 TREVERISCIVI 546
 TREVERISCIVITAS 1545
 Treviso 213-220, 452, 453, 559
 TRHCTOVERRIIOH 539
 TRI - CAS 21
 TRICASCIVITS 1196
 TRICETENSEMONI 535
 Trier 3-7, 114-116, 344, 546, 1185, 1240, 1357, 1564-1566
 TRI - G 161
 TRIGETENSEMON 647
 TRI - IECT 109
 TRIIETINSEMONE 536
 TRIIETOMONETA 648
 TRIIETTENSEMOI 646
 TRIIETTOMON 645
 TRIODOROSTEI 1147
 TRNCTEHSMIION 540
 TRNCTEHSPIION 538
 Troyes 21, 161, 162, 954-957, 1195, 1196, 1259, 1260, 1413, 1414
 TUEIISCIVITAS 1150
 TVLLO 1364, 1365, 1567-1569
 TVLLOCIVITAS 680, 682, 1535
 TVNIERASCIVITAS 1148
 TVNNIS 1373, 1374
 TVNONESCR ... TA 1406
 TVRAIS 146
 TVRHESCIVITAS 1307
 TVRNACO 298
 TVRNACOCIVIT 1459
 TVRNIS 145
 TVROMESCIVITAS 1306
 TVRONES 367-371, 553
 TVRONESCIVITAS 1255-1257, 1296, 1300, 1301, 1303, 1305
 TVRONIS 147, 914
 TVRONISCIVITAS 1294
 TVV - ANNA 299
 UICO - S 81
 VALENCIAHISROT 732
 VALENCIANIIS 734
 VALENCIANIS 733, 735
 VALENCIANISPORT 730
 VALENCIANISRT 731
 Valenciennes 730-735
 VCE - CIA 303
 VCECIVSCIVIS 1522
 VCRIASIER 1152
 VE - BON 80
 VENDENISCASTRO 1434, 1435
 VENECIA(S) 456-458, 560
 VENECIASMONETA 455
 Venice 455-458, 560
 VENIOCIV 1574
 VENNA 434
 Verdun 8, 9, 118-121, 347, 348, 551, 552, 683-689, 1187-1189, 1366-1368, 1449-1458, 1621-1624
 VESONTIVM 381
 VESSNCIVTIVS 810
 VI 1575
 VIATADERAIX 1138a
 V - I - C - E 304
 VICodVRISTAT 643
 VIENNA 191, 433
 VIENNACIAIS 1572
 VIENNACIVIS 1108, 1109, 1262, 1263, 1573
 Vienne 191, 433, 434, 1108, 1109, 1262, 1263, 1572-1576a
 VIL - REC 301
 VIPDVNICIVITAS 1449
 VIR - DAH 8
 VIRDVIIICVITS 1367
 VIRDVN(S) 118-121
 VIRDVNCIVI 687
 VIRDVNCIVITAS 683, 684, 1451, 1624

- VIRDVNCIVITAS 1366
 VIRDVNICIVITAS 1450, 1458, 1621, 1622
 VIRDVNICIV(ITS) 1452–1456
 VIDVNIDVI 1623
 VIRICVNC ... VIS 1368
 VIRIDVNICIV(IS) 686, 1453–1456
 VIRIDVNVN 347, 348
 VIRIDVNVMCIVI 685, 689
 VIRIDVNVMCIVIS 551, 552, 1187, 1189
 VIRIDVNVMCVI(S) 1188, 1457
 VIRIRVNVMCIVIS 1187a
 VIR – O – VP 9.
 Visé 1227–1230
 VITAETVICTORIA 593
 VLE – CIA 302
 VNIEI IMTAS 1151
 VOMR 305
 VRBSREDONIS 1042
 VRDVNICIVIV 688
 VVALA – CARI 300
 VVRVIRIACO 1152a

 WA – NO – N 307
 WIRZIBVRCCIVIT 1549
 Würzburg 1549

 XARELACIVIS 1511
 XBITVRICESCIVIT 1666, 1667
 XD – MAG – OSC 262
 XHVICOHOIO 656
 XICIAHAREHICIO 509
 XICTIANARELIGIO 317–319
 XINVICOHOIO 655
 XL 306
 XMELDIS 848
 XPIANAREHIC(I)O 1436, 1524
 XPIITIANARELICIO 1528
 XPISTIANAHICIO 590
 XPISTIAHARIHICIO 586
 XPISTIAHAIHICIO 590
 XPISTIAHARE(LICIO) 510, 575a, 1570
 XPISTIANAOEH ... 576
 XPISTIANAPELICIO 565, 588
 XPISTIANARE(I) 466, 512
 XPISTIANAREHICIO 471, 487, 538
 XPISTIANAREHICIO 491, 492, 498, 508a, 566, 567, 1166, 1167, 1171, 1436, 1523, 1524, 1530
 XPISTIANARELICIO 494, 499, 500, 507, 569, 573, 574, 577, 582, 589, 1159, 1160, 1162, 1164, 1165, 1168–1170, 1219–1221
 XPISTIANARELICO 580
 XPISTIANARELIGI 1182
 XPISTIANARELIGIO 314, 469, 470, 472–490, 495–497, 501, 502, 504–506, 508, 562, 564, 568, 570–572, 579, 581, 584, 587, 621, 1153–1155, 1157, 1161, 1167
 XPISTIANARELHICIO 503
 XPISTIANARELO 583
 XPISTIANARI 467
 XPISTIANARIHICIO 587, 591, 1542
 XPISTIANARILIGIO 563
 XPISTIANARLHICIO 1222
 XPITIANARELICIO 1540, 1541
 XQVISTIVNVRE 511
 XRIAHICIO 438
 XRIAHICIO 1437, 1439
 XRIANAELHIO 468
 KRISTIANAREHIGIO 1218
 KRISTIANARELIGIO 1190
 KRISTIANARIHICIO 1163
 XROTVMACVSCIVII 878, 879
 XXICIAHAREHICIO 509

 Zwentibold 1544–1545

INDEX TO THE INVENTORY OF FINDS

The number after each entry refers to the number assigned in the Inventory of Finds. Major Finds are printed in capital letters.

- | | |
|----------------|----------------------------------|
| Aachen 179 | BRIOUX 32 |
| AALSUM 28 | Brøholt 242 |
| ABLAINCOURT 83 | BRUÈRES 107 |
| ACHLUM 29 | Brussels 227 |
| Aggersborg 249 | Burgheim 167 |
| Alésia 148 | |
| Alstad 243 | CASTEL SARRASIN 108 |
| ANGERS 16 | Castel Seprio 279 |
| ANS FIND 84 | CHALON-SUR-SAÔNE I 72 |
| ARRAS 67 | CHALON-SUR-SAÔNE II 73 |
| Arstad 241 | CHAMOUX-MARCILLY 54 |
| ASSEBROUCK 60 | CHARABOTTE 110 |
| ASSEN 91 | CHARTRES 118 |
| AUZEVILLE 30 | Chartres 131 |
| AVIGNON 68 | CHARVET-See 121, 122 |
| | Château de Bréaux-sous-Nappe 137 |
| BALLON 31 | CHATEAUNEUF-SUR-CHER 109 |
| BARBENTANE 17 | CHZÈY-L'ABBAYE 3 |
| BEAUMONT 63 | COMPIÈGNE 62 |
| BEL-AIR 2 | COSNE 33 |
| BELVÉZET 14 | COUDRE 111 |
| BIEBRICH 11 | COURBANTON I 88 |
| Bierzgłowo 221 | COURBANTON II 89 |
| Birka 256 | COURBANTON III 90 |
| Birka 257 | Croydon 274 |
| Birka 261 | CUERDALE 98 |
| BLÄTZ 129 | |
| BLIGNY 69 | DALEN 114 |
| Böbingen 172 | Dargocice 217 |
| BONDENO 12 | Domburg-Dorestadt 228 |
| Bonn 154 | DORESTADT 18 |
| Bonn 155 | Dorking 270 |
| Bonn 156 | |
| Bonn 175 | EICHSTETTEN 85 |
| Bonn 203 | Emden 200 |
| BONNEVAUX 70 | EMMEN 34 |
| Boppard 177 | Epfach 180 |
| Bourges 146 | Erdmannhausen 157 |
| Bourges 149 | ETAMPES 64 |
| BOURGNEUF 71 | |

- ETRÉCHY 35
 EVREUX 103
 EVREUX (ST. TAURIN) 104
 Eysölden 168

 FÉCAMP 116
 FONTAINES 36
 FRANKFURT a. M. 19
 Frankfurt a. M. 181
 FREIBURG i. B. 100
 FREISING 20
 'FRISIA' 37
 Fulda 182

 GANNAT 74
 'GELDERLAND' 4
 GLIZY 75
 Gower 267
 Gravesend 272
 GRONINGEN 38
 Grosso in the Mesolcina 279

 Haitabu 161
 Haitabu 162
 Haitabu 183
 HARKIRKE 276
 HAUTE-ISLE 86
 Hedeby 244
 HELJARP 21
 HERMENCHES 22
 HOARD OF THE HOLY FAMILY
 106
 Hoard of the Vestal Virgins ("Forum
 Hoard") 281
 Hohenaltheim 184
 Hollingstedt 174
 Hollingstedt 198
 HOLTAND 128
 Hon 238
 Hornburg 185

 IBERSHEIM 13
 IDE 52
 Iholm 234
 ILANZ I 99
 ILANZ II 10
 IMPHY 1
 "INDRE" 23
 ISSY-L'EVÊQUE 76

 Jaeren 236
 JELSUM 5
 Josselin 134
 JOUAYE-MONDAYE 101
 "JURA" 6
 Jynevad 248

 Kaldal 240
 Kamien Pomorski 218
 KARDEN 24
 Kaupang 251
 KETTLSTORP 25
 KIMSWERD-PINGJUM I 39
 KIMSWERD-PINGJUM II 40
 Kolmar 171
 Korvey 186
 Kowal 220
 KRINKBERG 9
 Kulhusgården 250

 LABEAUME 125
 La Chaussée 141
 LA GILLERIE 41
 LANGON 57
 LANGRES 92
 La Réole VI 150
 LAUZÈS 42
 LAXFIELD 65
 Leer 165
 Lerchenborg 246
 Lewes 266
 Liège 226
 LISÓWEK 119
 "Loire-Inférieure" 132
 London (Middle Temple) 268
 LOPPERSUM 43
 Lorenzberg bei Epfach 160
 Lorsch 158
 Lyon I 135
 Lyon II 136
 Lyslo 239

 Magyarszombathely 287
 Mainz (St. Alban) 166
 MARSUM 77
 Marsum 170
 Mayen 187
 MÉRÉVILLE-SAINT-PÈRE 44
 METZ 115

- Mgowo 222
 Middelstum 230
 MIDLAREN 55
 MIDLUM 93
 Moksnes 232
 Monostori Sziget 289
 Morsen 245
 Mosciano San Angelo 280
 MOULIN-GARGOT 78
 MUIZON-LEZ-MALINES 45
 MULLAGHBODEN 46
 Munkegård 252
 Münster 201

 Neuhaus 205
 Neumünster-Grotenkamp 178
 Neumünster-Grotenkamp 197
 NEUVI-AU-HOULME 47
 NOURRAY 59
 Nousiainen 264

 Oberbillig 195
 Obrzycko 212
 ODOORN 87
 Öland 260
 Oranienburg 216
 Ordonnac 142
 Orsova 282
 Ostro 193
 Ostro 215
 OUDWOUDE 48

 Paretz 207
 PILLIGERHECK 53
 PINGJUM 94
 Pin's Knoll (Dorset) 269
 "PLACE UNKNOWN" 117
 Plonsk 225
 POITIERS 126
 Polczyn-Zdroje 214
 "Pommerania" 223
 Port St. Mary, Isle of Man 277
 Posenschen 208
 Prerow-Darss 163

 Rahlingen 194
 Ramelsloh 188
 Regensburg 173
 Regensburg 196

 Regensburg 209
 RENNES 102
 Rheims 130
 RIJS 49
 Rimforsa 258
 ROCHES-L'EVÊQUE 95
 ROME 112
 ROME 123
 ROSWINKEL 66
 Rudkjöbing 247

 Salum 259
 SAN PAOLO FUORI LE MURE
 124
 SARZANA 7
 SAUMERAY 80
 SAUMUR 79
 SAVIGNÉ-SOUS-LE-LUDE 81
 Schowen 231
 Schwenningen 202
 Sigters 262
 Slupsk 213
 Sneek 229
 Søndre Bø 237
 Søndre Vaje 233
 "SPAIN" 120
 Spangereid 235
 Speyer 169
 Speyer 189
 Stade 190
 St. Albans 265
 Stamford 275
 Sarydworek 219
 Steckborn 278
 St. Emilion I 145
 ST. EMILION II 50
 Stolpe 210
 Stolpehuse 255
 Store Valby 254
 St. Pétronille-de-Gironde 144
 STRASSBURG-BASEL 105
 St-Quentin 140
 St-Vincent-sur-Craon 143
 Szentes 284

 Talnotrie 271
 TER APEL 97
 TERSLEV 113
 THOUARS 26

- Thurow 224
Tiszaeszlár 285
Tiszaeszlár 286
Tolstrup 253
Toulouse 147
Tournai 139
Tours 138
Trebenow 206
Trewiddle 273
Trier 191
Trier 192
Trier I 151
Trier II 153
Trier III 152
Trier IV 159
Trier V 164
TROYES 96
Trzebianowo 211
Urach 199
VAUX-DE-VIRE 58
Vejrmöllebanken 263
VERCELLI 8
VERDUN 127
Verdun 133
Vereb 283
Vereb 288
VEUILLIN 15
WAGENBOGEN 56
WINSUM 27
Worms 176
YORK 61
YROND 82
Zabern 204
ZELZATE 51

PLATES

PLATES



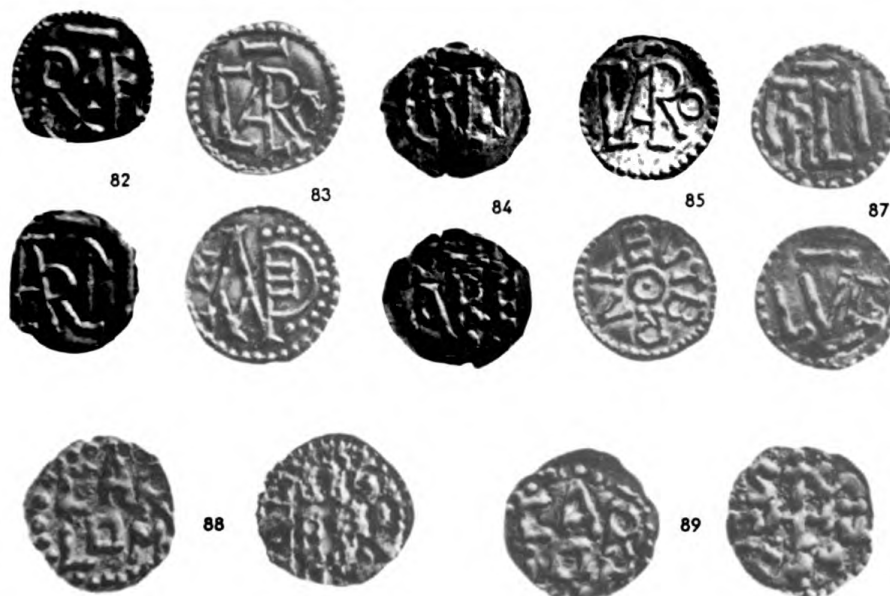
PIPPIN THE SHORT 752-768



PIPPIN THE SHORT 752-768



PIPPIN THE SHORT 752-768



CARLOMAN 768-771



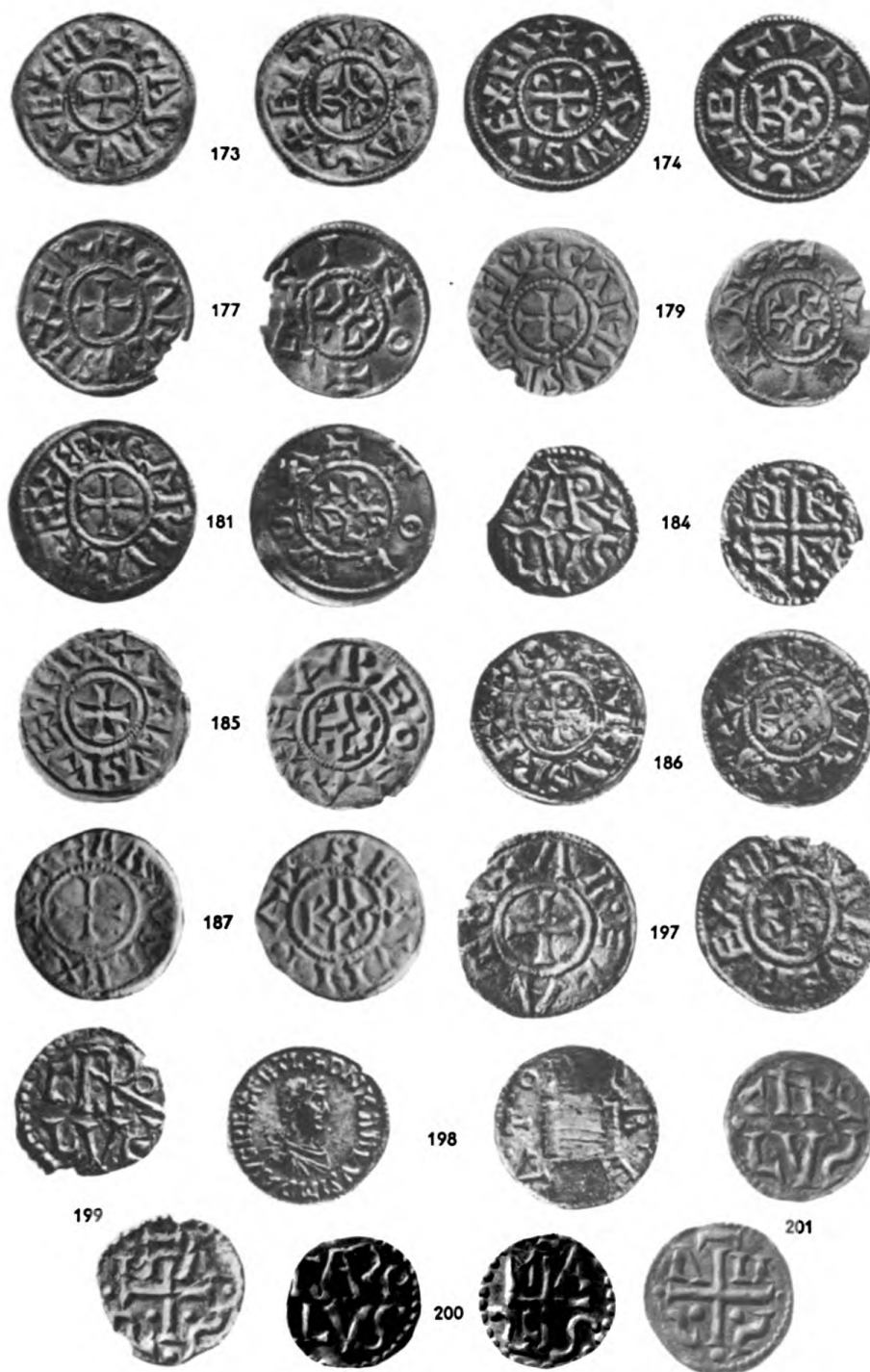
CHARLEMAGNE 768-814



CHARLEMAGNE 768-814



CHARLEMAGNE 768-814



CHARLEMAGNE 768-814



CHARLEMAGNE 768-814



CHARLEMAGNE 768-814



CHARLEMAGNE 768-814



LOUIS THE PIOUS 814-840



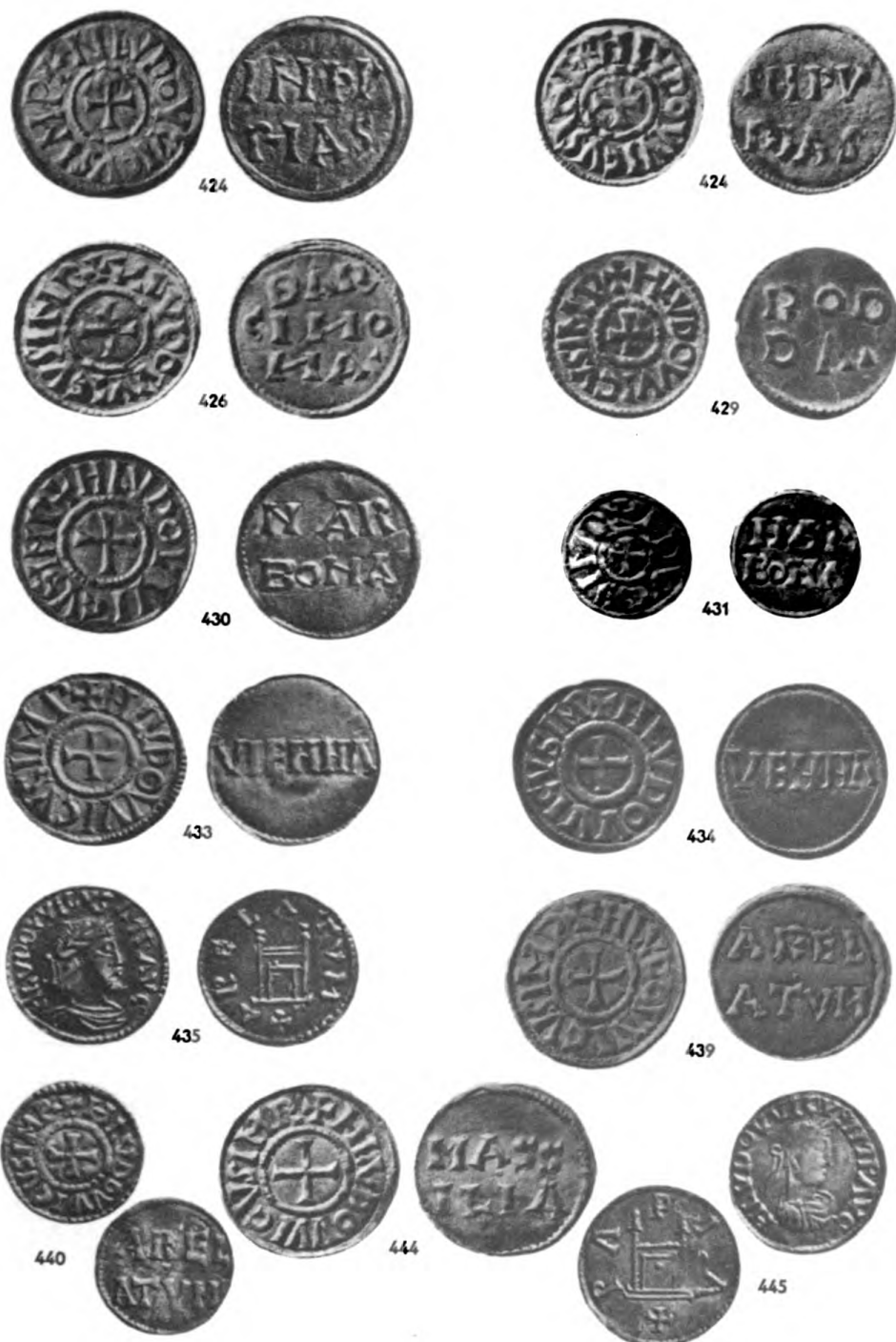
LOUIS THE PIOUS 814-840



LOUIS THE PIOUS 814-840



LOUIS THE PIOUS 814-840



LOUIS THE PIOUS 814-840



LOUIS THE PIOUS 814-840



LOUIS THE PIOUS 814-840



LOTHAIRE I 840-855



LOTHAIRE I 840-855



593



LOTHAIRE I 840–855



594



596



LOUIS THE GERMAN 840–876



597



599



605



606



608



609

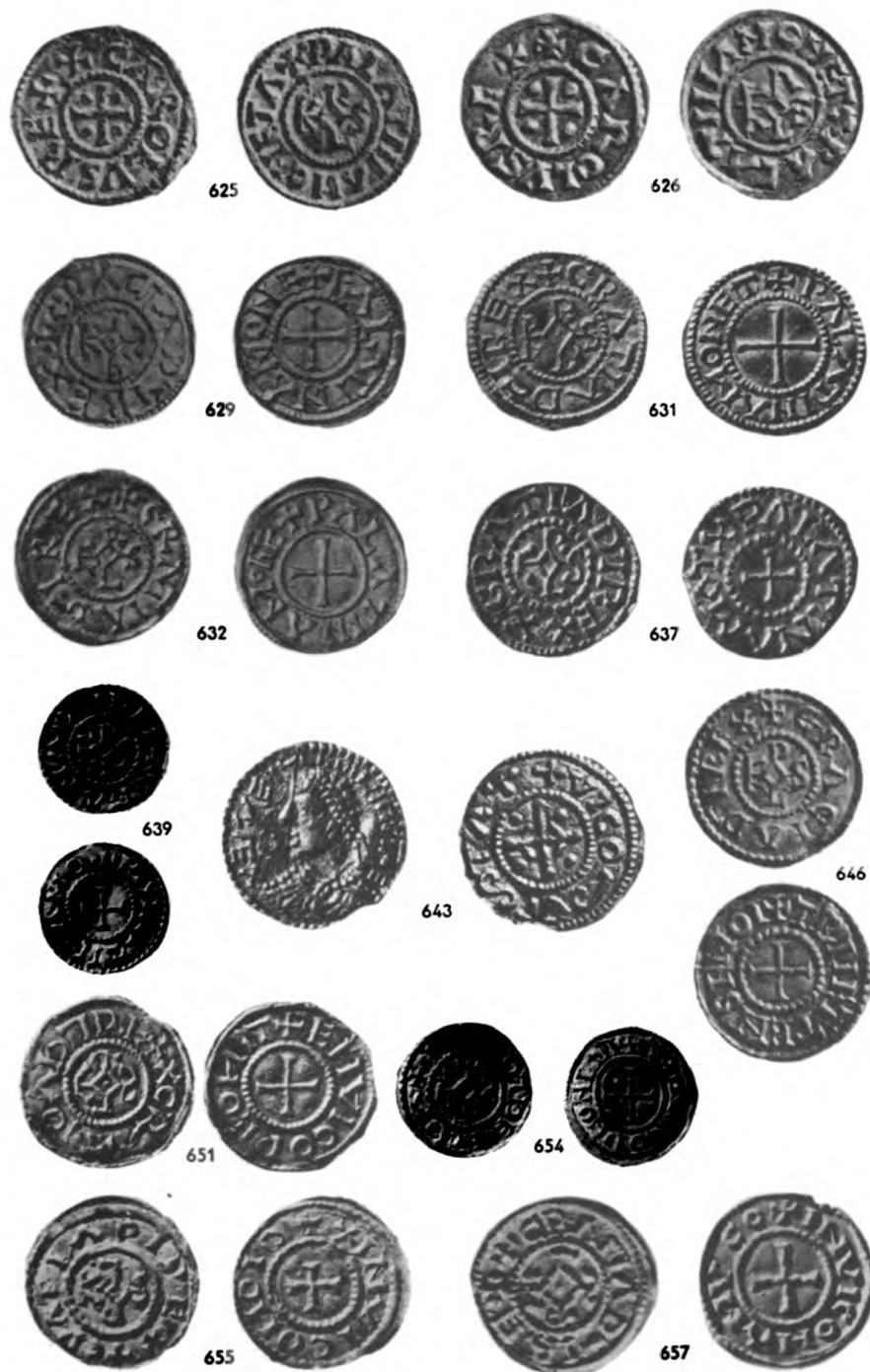


609

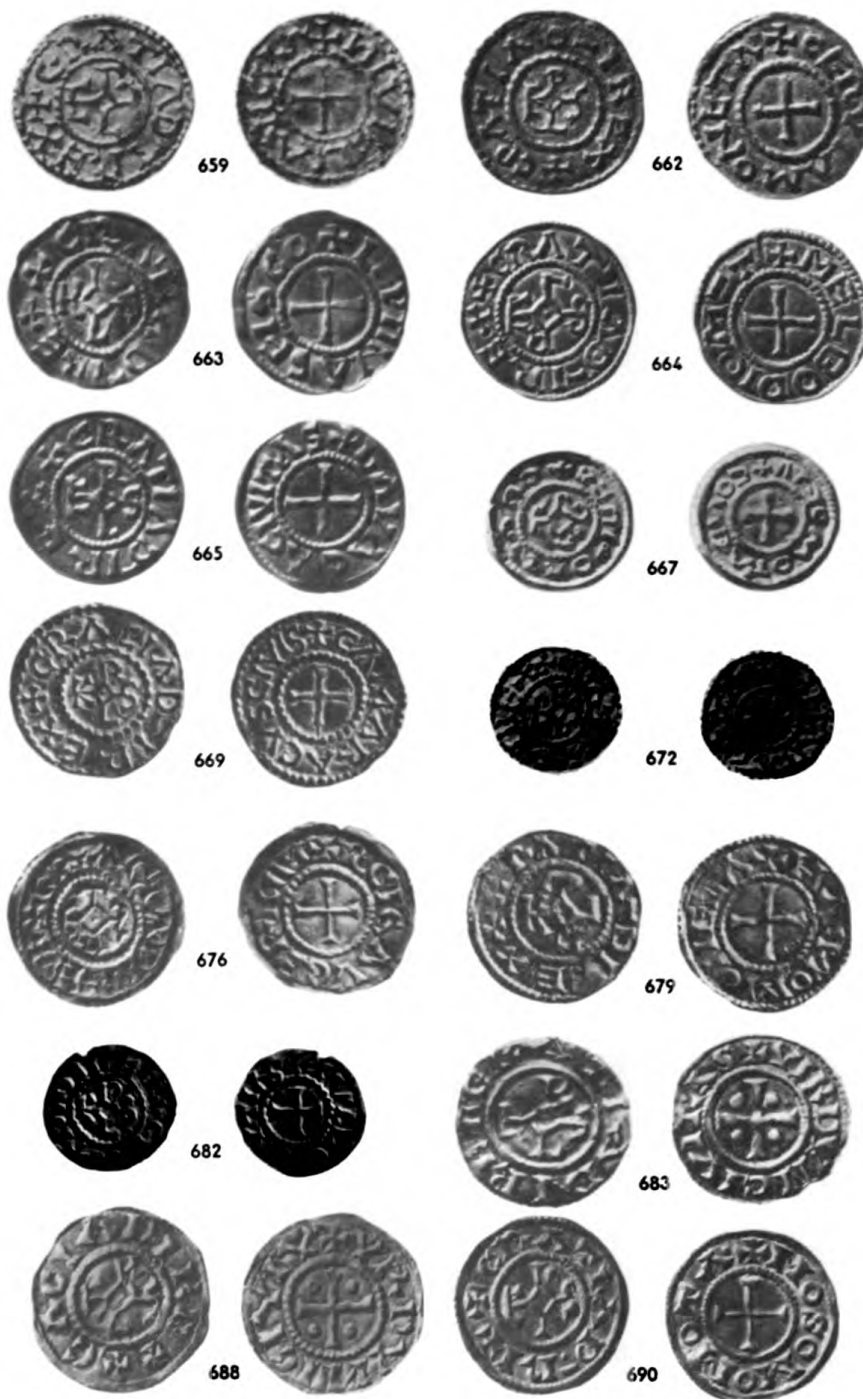

PIPPIN I (814–838) or PIPPIN II (839–852) OF AQUITAINE



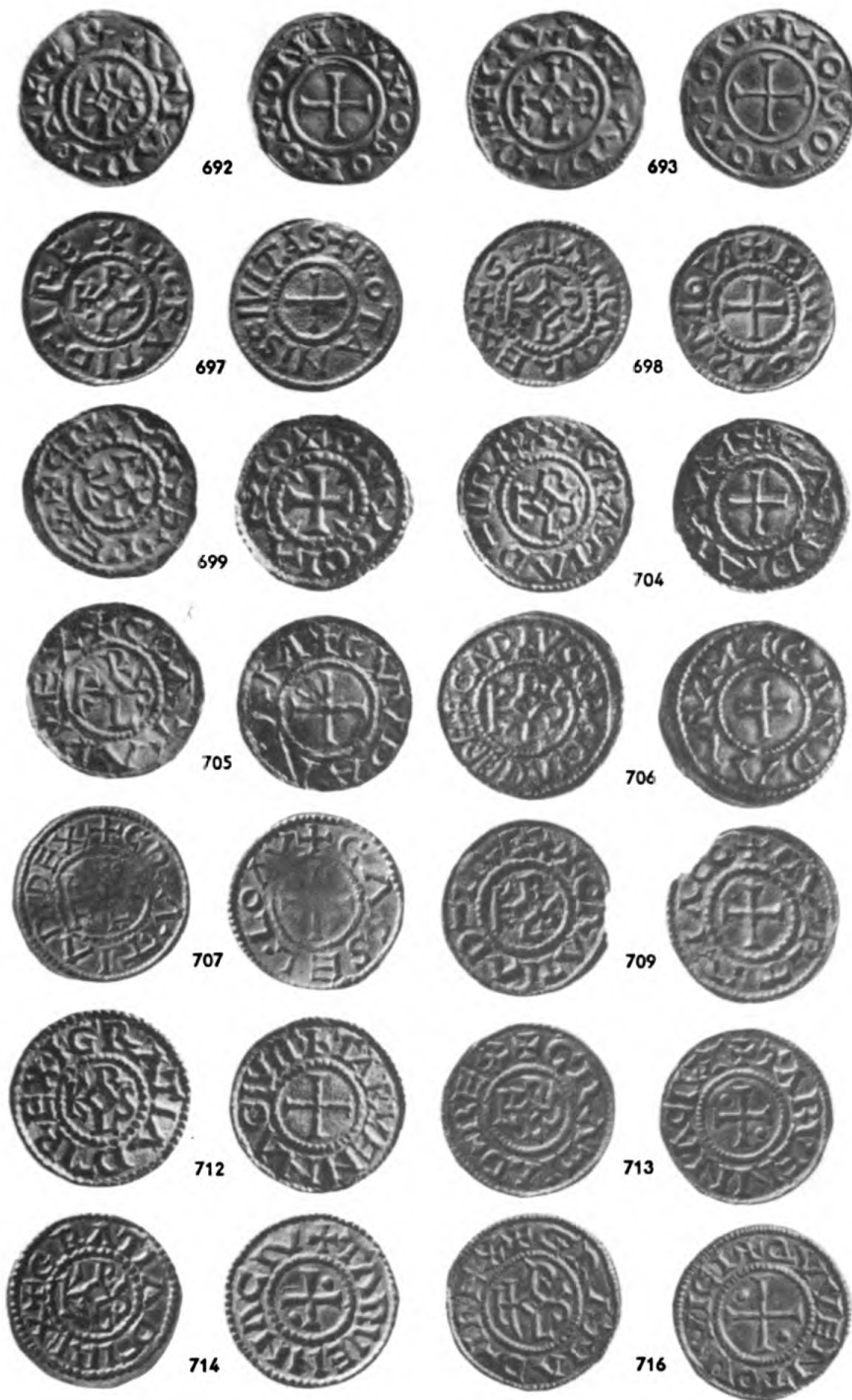
PIPPIN I (814–838) or PIPPIN II (839–852) OF AQUITAINE



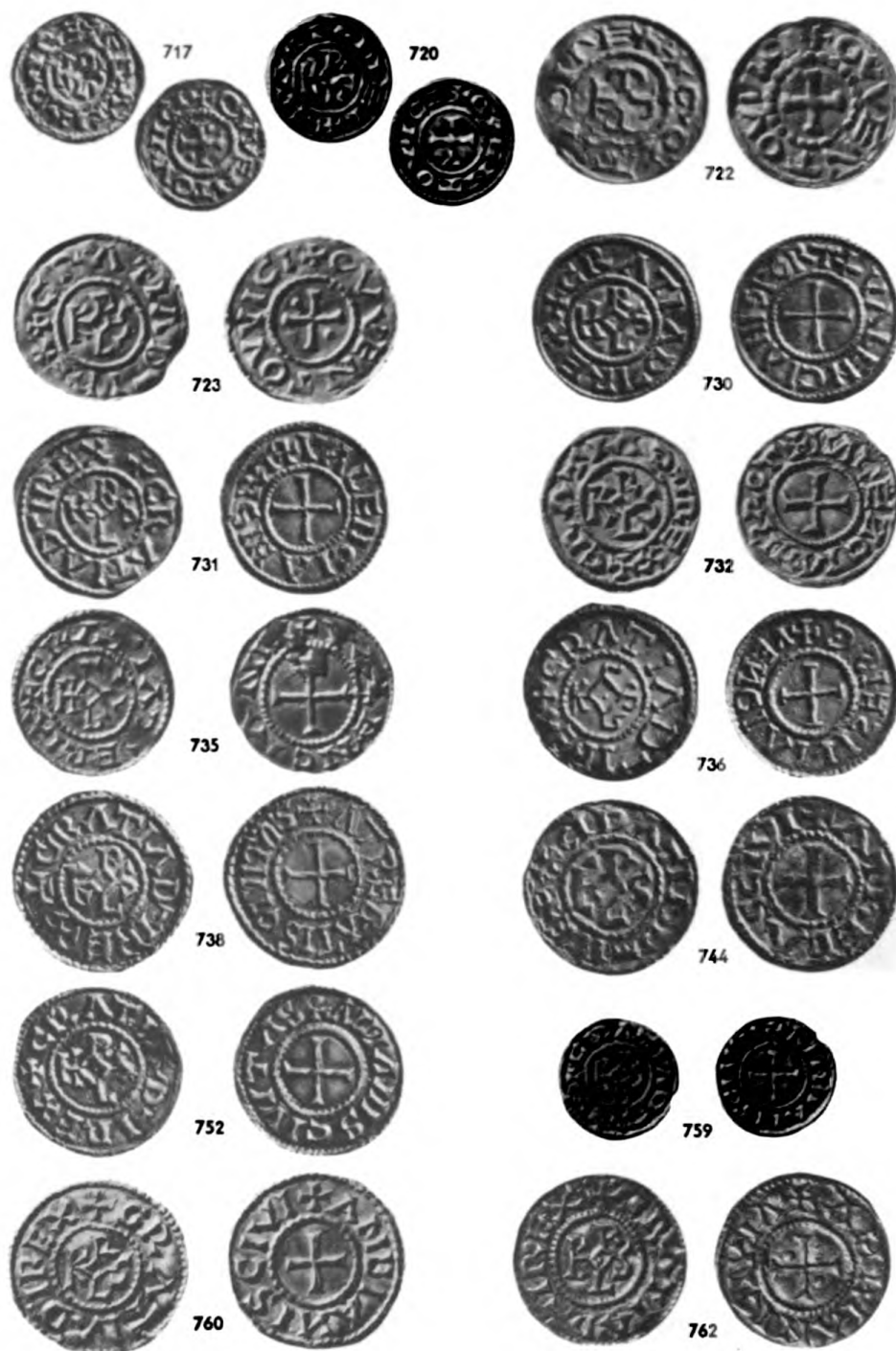
CHARLES THE BALD 843-877



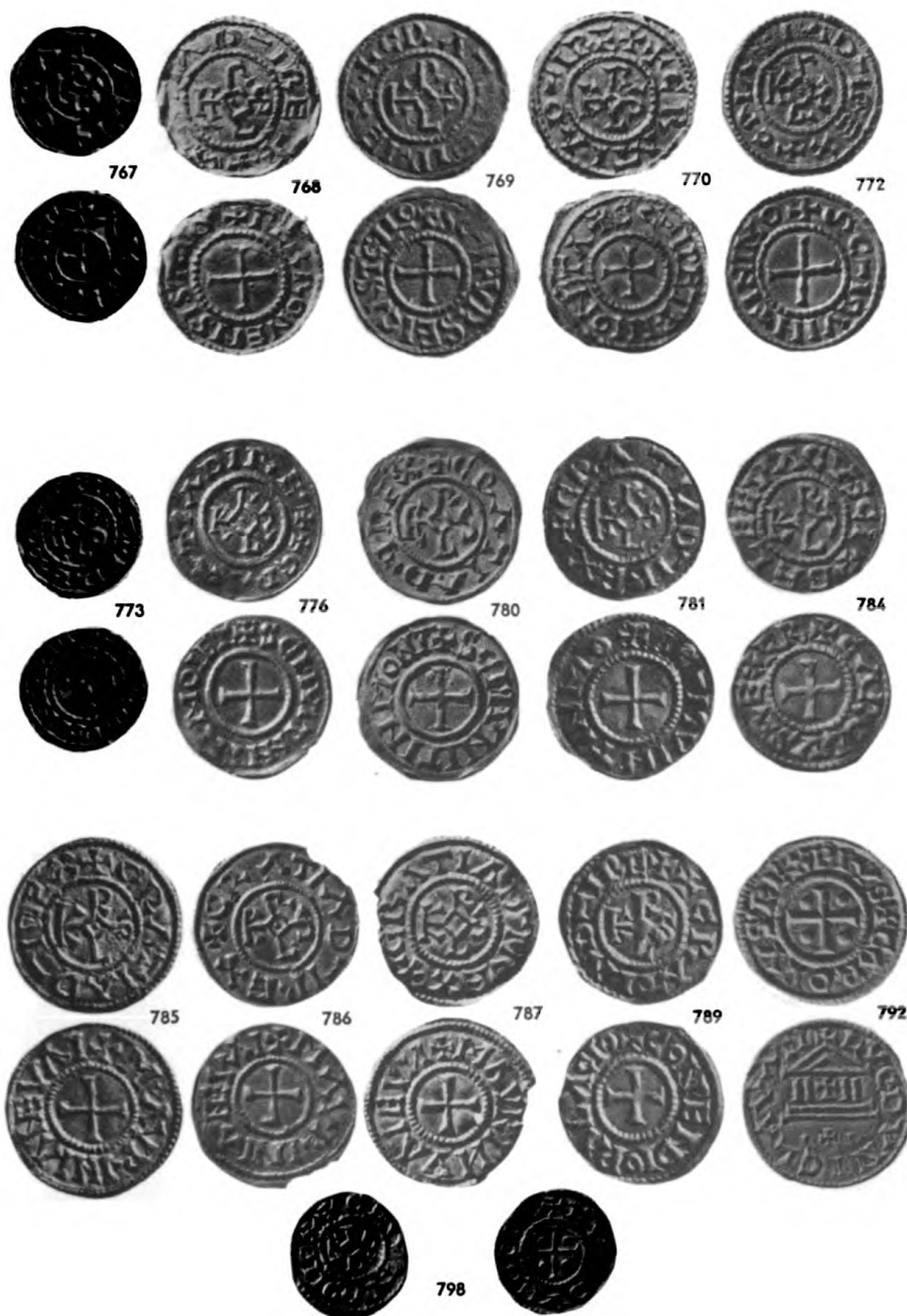
CHARLES THE BALD 843-877



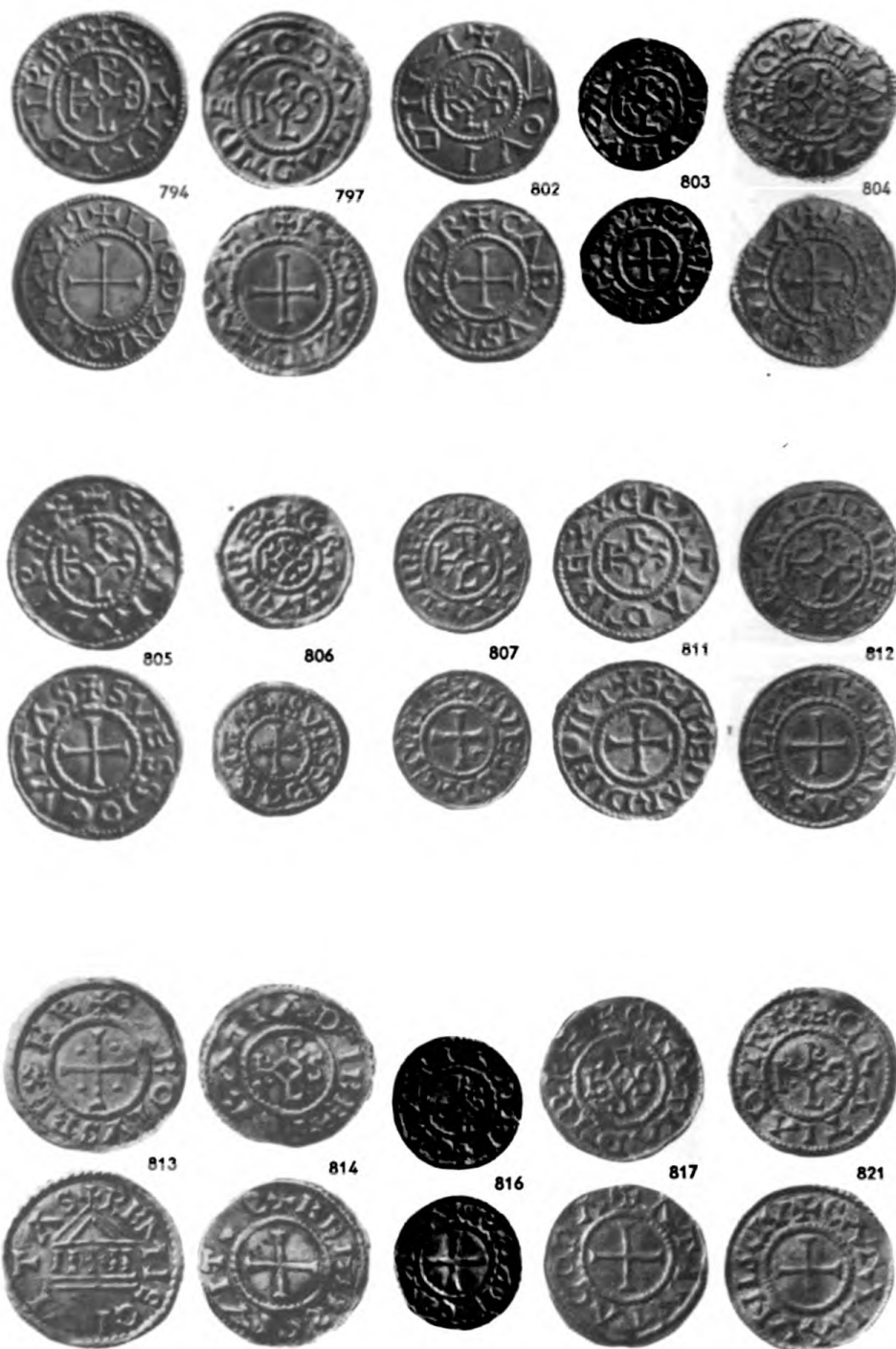
CHARLES THE BALD 843-877



CHARLES THE BALD 843-877



CHARLES THE BALD 843-877



CHARLES THE BALD 843-877



CHARLES THE BALD 843-877



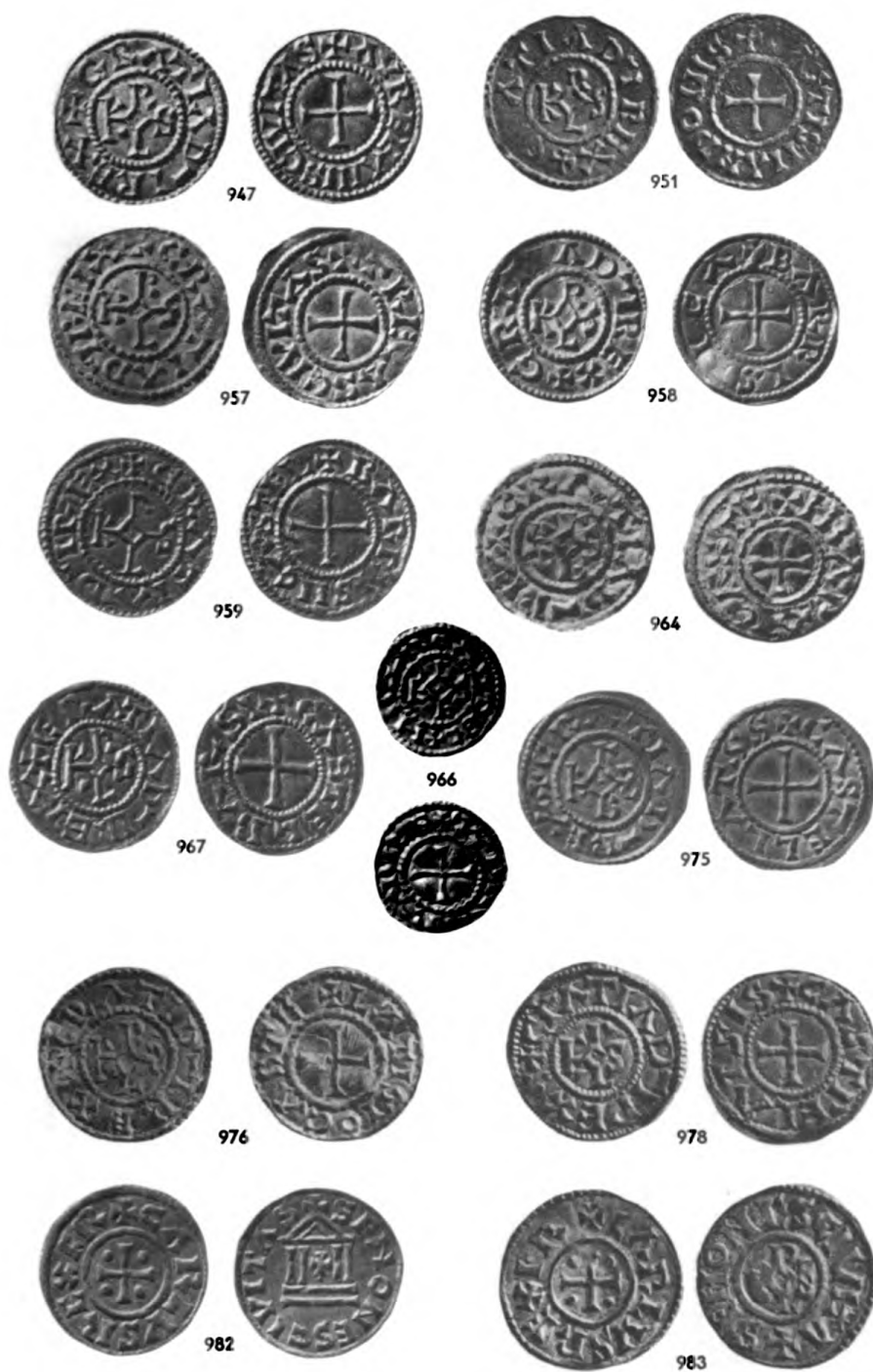
CHARLES THE BALD 843-877



CHARLES THE BALD 843-877



CHARLES THE BALD 843-877



CHARLES THE BALD 843-877



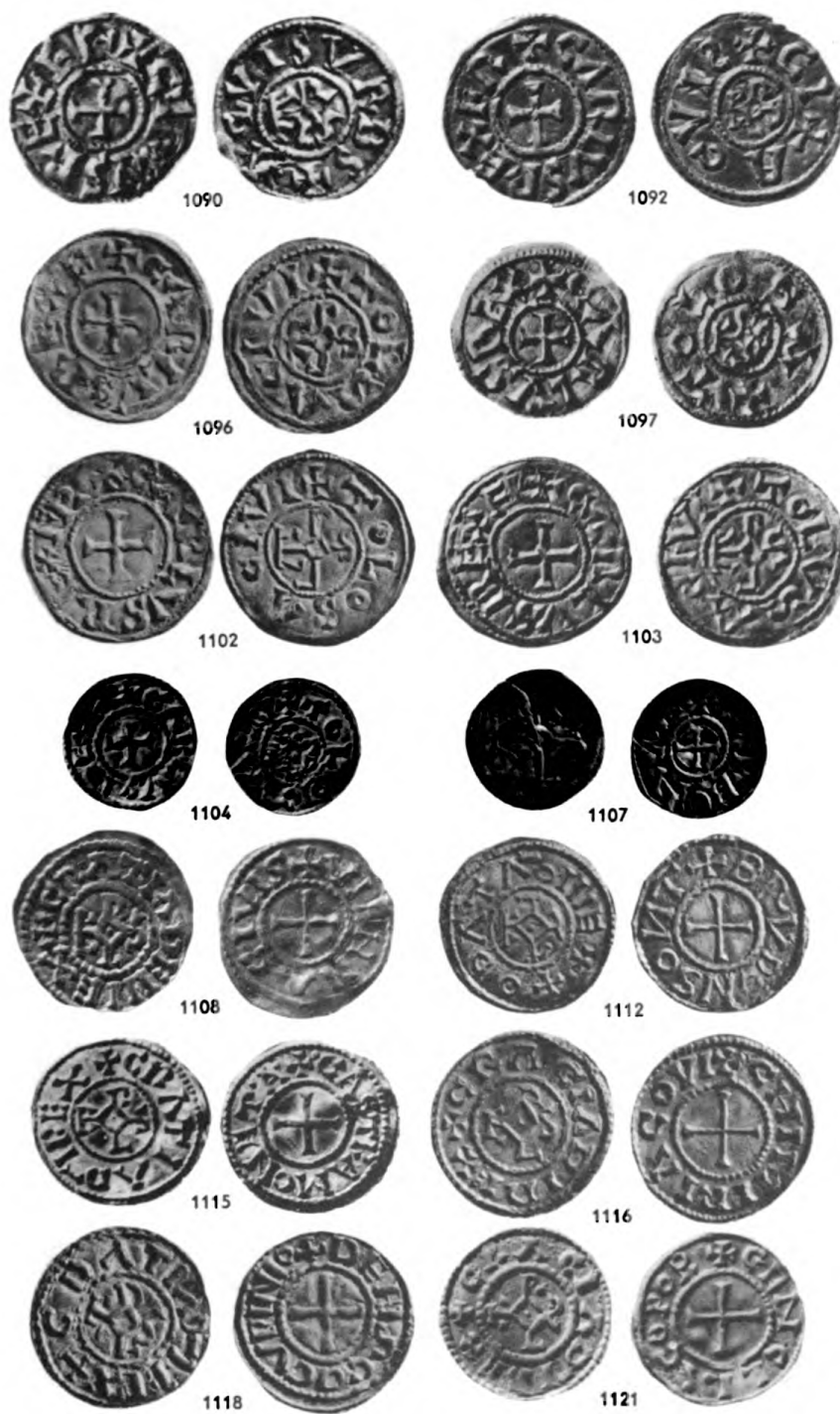
CHARLES THE BALD 843-877



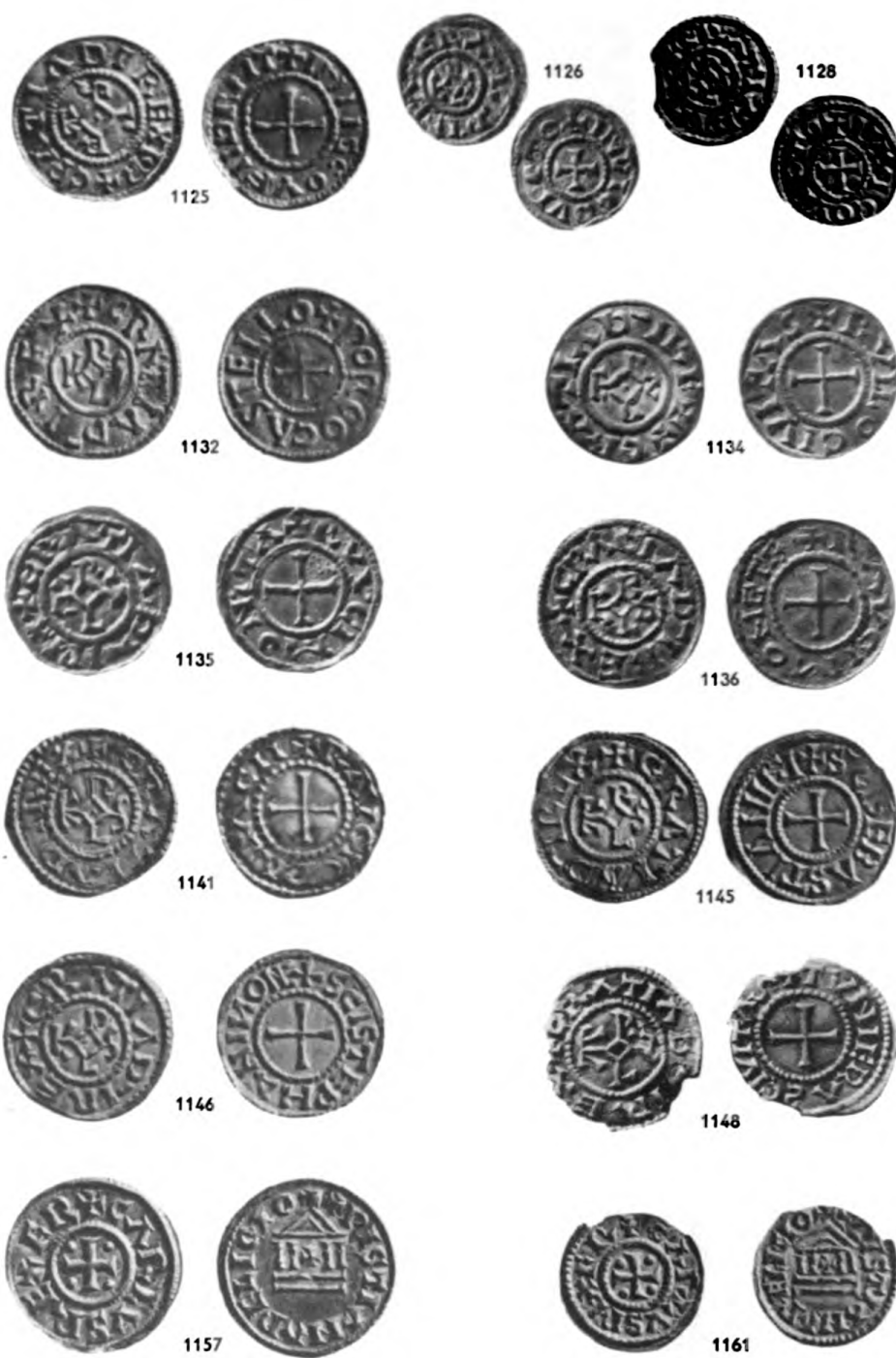
CHARLES THE BALD 843-877



CHARLES THE BALD 843-877



CHARLES THE BALD 843-877



CHARLES THE BALD 843-877



LOUIS II 855-875



LOTHAIRE II 855-869



CHARLES THE CHILD 855-863



CARLOMAN 879-884



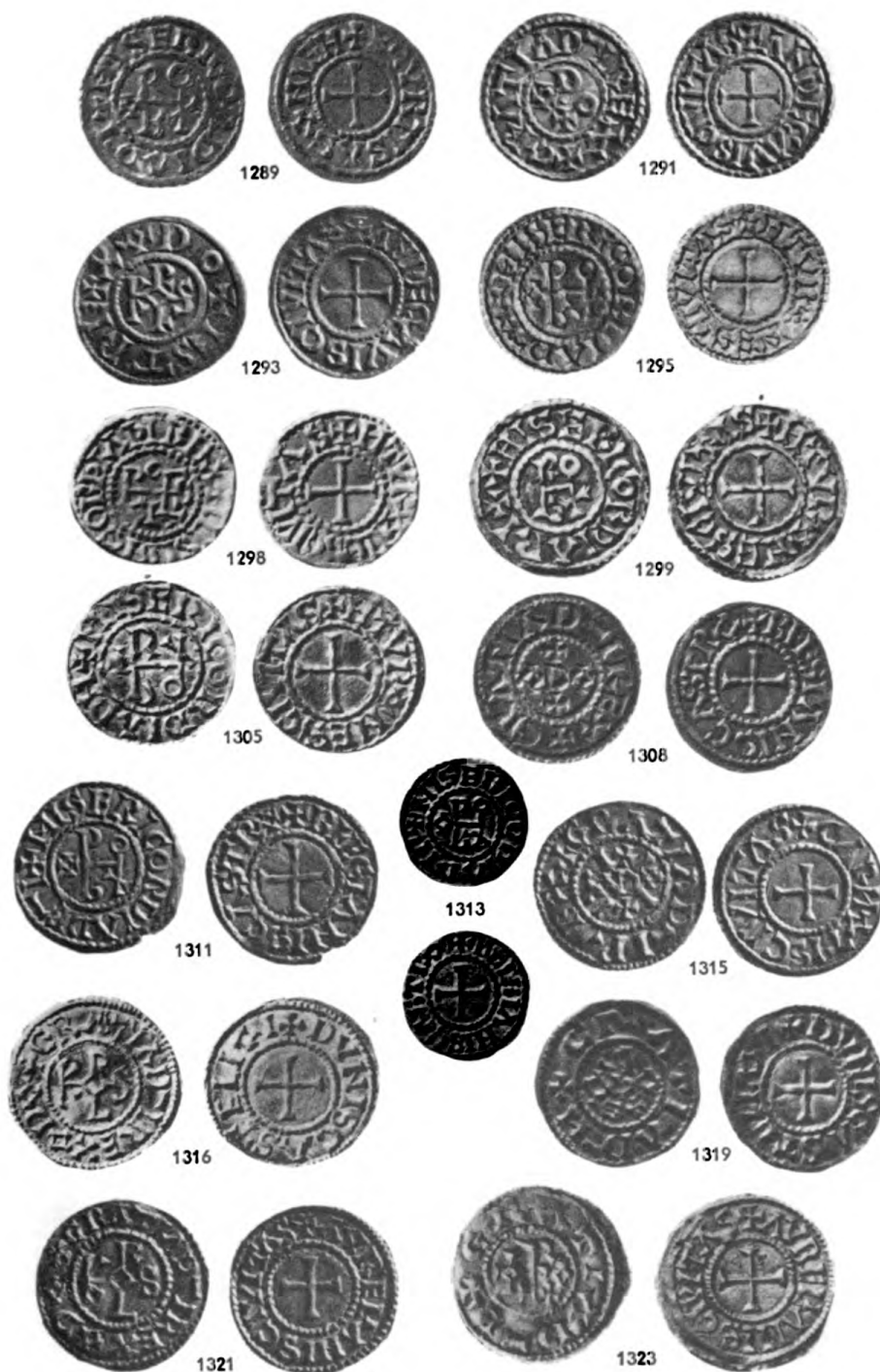
LOUIS II (877–879) OR LOUIS III (879–882)



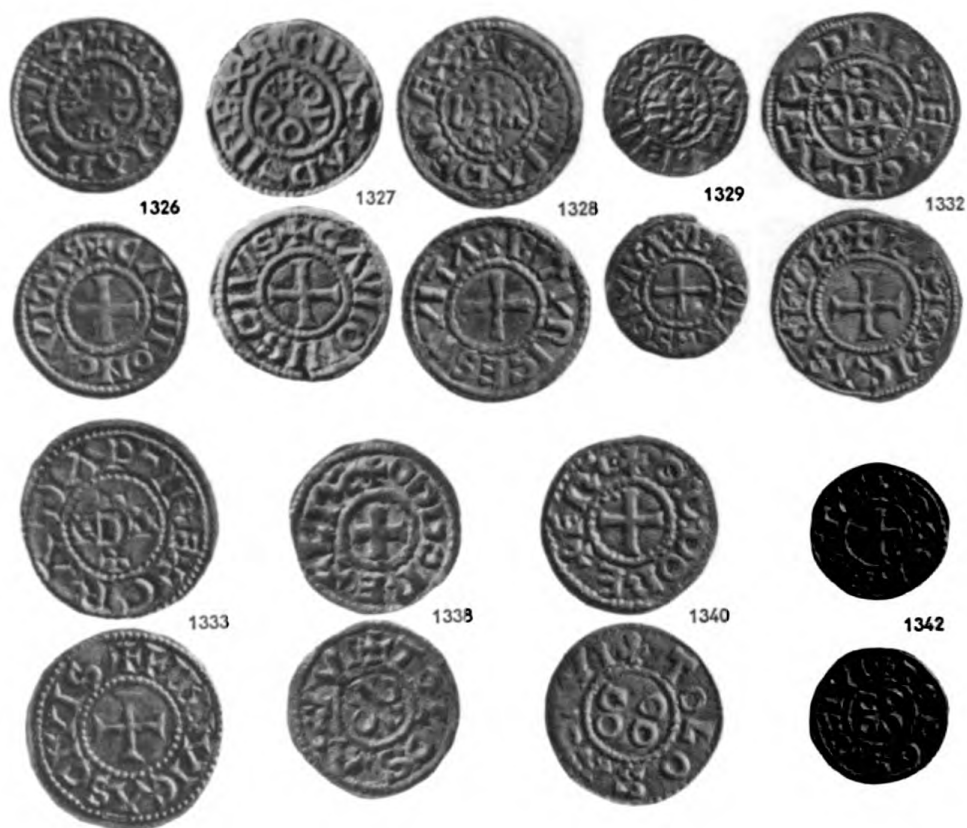
BOSON 879–887



ODO 887-898



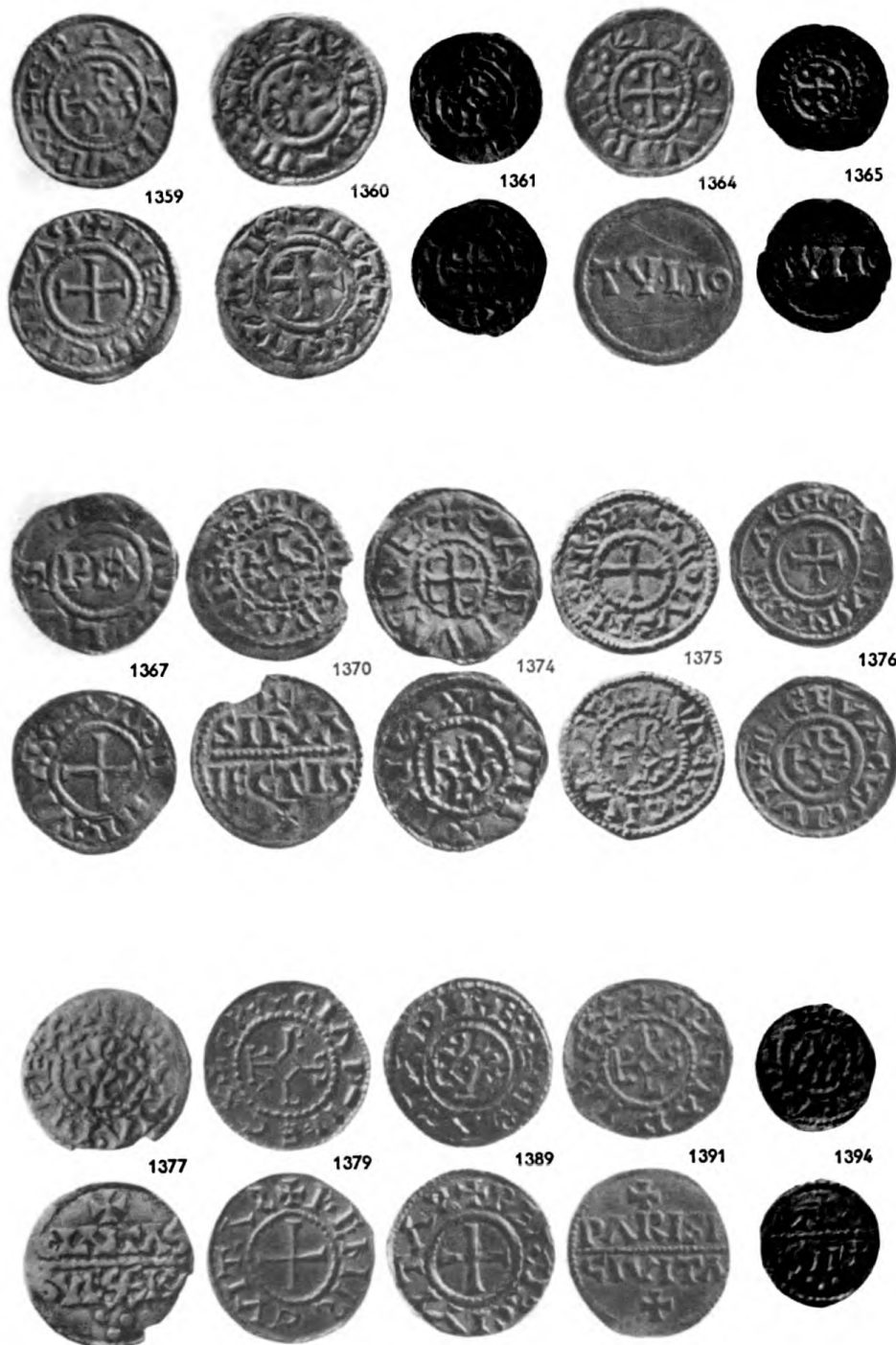
ODO 887-898



ODO 887-898



CHARLES THE SIMPLE 898-923



CHARLES THE SIMPLE 898-923



CHARLES THE SIMPLE 898-923



LATE NINTH CENTURY ISSUES
IN THE NAME OF AN EMPEROR CHARLES



LATE NINTH CENTURY ISSUES
IN THE NAME OF AN EMPEROR CHARLES



ARNULF 887-899



LOUIS THE CHILD 899-911



LOUIS THE BLIND 901-905



RAOUL 923-936

19



LOUIS IV (936-954) OR LOUIS V (986-987)



LOTHAIRE 954-986



CONRAD THE PACIFIC 937-993

